

Specifications:

Gene:	hCD96
Accession:	NP_005807
Insert size:	1722bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

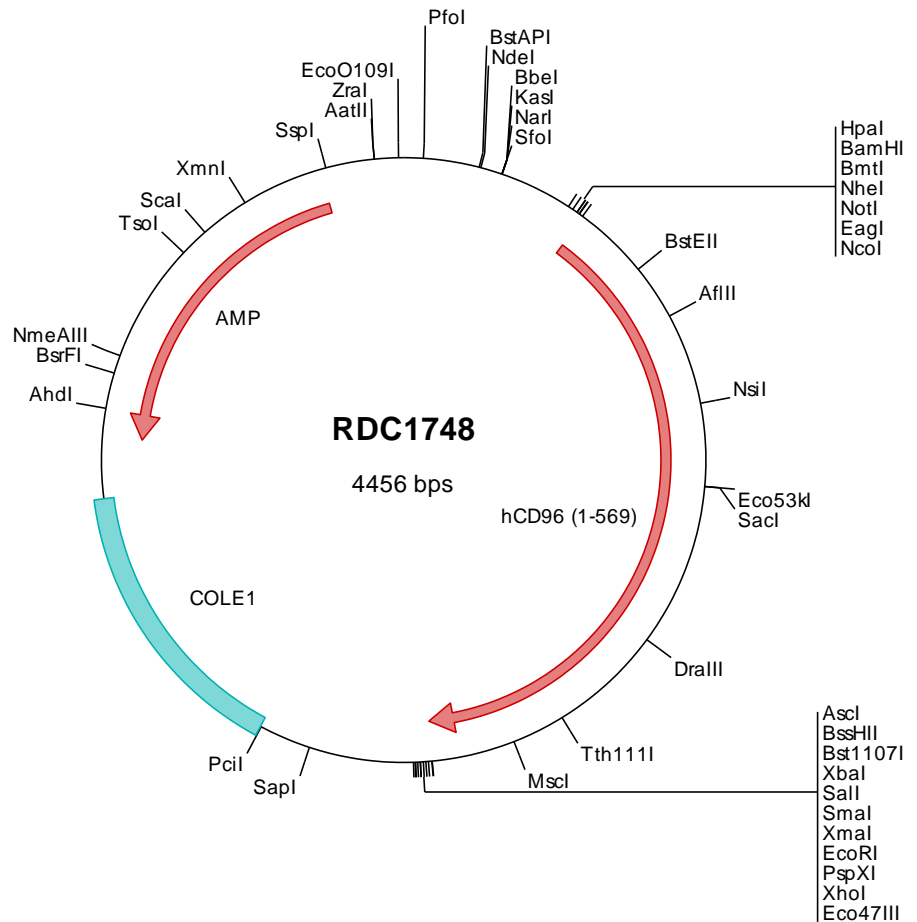
hCD96 cDNA Plasmid

CD96 CD96 molecule [Homo sapiens (human)]

Also known as: TACTILE

Summary:

CD96 is a type I membrane protein that belongs to the immunoglobulin superfamily. It is expressed on CD4⁺ and CD8⁺ T cells, NK and NKT cells, resting monocytes and gamma δ T cells. It may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1748 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccc
101  tcaggggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  cttaaactatg  cggcatcaga  gcagattgta  ctgagagtgc  accatatgcg  gtgtgaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgcatt  caggctcgcg  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgccagct  ggcgaaaagg  ggatgtgctg  caagycgatt  aagttgggta  acgcccagggt  ttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgccaacc  atgggaaaaa  aatggaaata  ctgtgctgtc  tattacatca  tcagataca
501  ttttttcaag  ggagtttggg  aaaaaacagt  caacacagaa  gaaaatgttt  atgtacacct  tggctctgat  gtcaacctga  cctgccaaac  acagacagta
601  ggctttcttc  tgcagatgca  atggccaag  gtcaccaata  agatagacct  gattgctgtc  tatcatcccc  aatacggctt  ctactgtgcc  tatgggagac
701  ctctgtgctc  acttgtaact  ttaacagaaa  ctctgagaa  tgggtcaaaa  tggactctgc  acttaaggaa  tatgtcttgt  tcagtcagtg  gaagttacga
801  gtgtatgctt  gttctgtatc  cagagggcat  tcagactaaa  atctacaacc  ttctcatcca  gacacacgtt  acagcagatg  aatggaacag  caaccatacg
901  atagaatag  agataaatca  gactctggaa  ataccatgct  ttcaaaaatg  ctctcaaaa  atttcatctg  agttcaccta  tgcattgctg  gtggaggata
1001 atggaactca  ggaaacactt  atctccaaa  atoacctcat  cagcaattcc  acattactta  aagatagagt  caagcttggg  acagactaca  gactccacct
1101 ctctccagtc  caaatctctg  atgatgggag  gaagtctct  tgccacatta  gagtccgtcc  taacaaaatc  ttgaggagct  ccaccacagt  caaggtcttt
1201 gctaaaccag  aaatccctgt  tattgtggaa  aataactcca  cggatgtctt  ggttagagaa  agatttacct  gottgctgaa  aaactgattt  cccaaagcaa
1301 atatacagtc  gtttatagat  ggaagttttc  ttoactgtga  aaaggaagga  atatatatta  ctaatagaag  gagaaggggc  aaggatggat  ttttggaaat
1401 gaagtctggt  ttaacaaggg  tacatagtaa  taaccagacc  caatcagaca  acttgaccat  ttgggtgatg  gctctgtctc  cagtcocagg  aataaagtt
1501 tggaaactct  catcagaaaa  gatcactttt  ctcttagggt  ctgaaatttc  ctcaacagac  ctccactgca  gtgttacaga  atctaccctt  gacaccaaac
1601 ctctccagtc  cagcagtgta  tctctgcgaa  gatctccgac  gatctctcca  tacatctcca  tagatgtgag  tgccttgagg  ccaaacacca  ctcccaaac
1701 cagcaatccc  agtataagtc  cccgagcctt  caactatccc  tggacctcca  gtgggacaga  taccaaaaaa  tcagtttcaa  ggatacctag  tgaacatac
1801 agttactccc  ctcaggtgca  aggtccaca  ctctagaca  atgtctttac  cagcacagcc  agagcatttt  cagaagtccc  ccaactgccc  atgtgacta
1901 cgtaaaactaa  tgcactgctt  atcaactgga  ttgtggtcaa  taagcccaaa  gatggaatgt  cotggccagt  gattgtagca  gctttactct  tttgtgcat
2001 gatattgctt  ggtcttgagg  tgagaaaatg  gtgtcagta  caaaaagaaa  taatggaag  acctccacct  ttcaagccac  caccacctcc  catcaagtac
2101 acctgcaatc  aagagcccaa  cgaagtgtat  ctgcttatc  atgagatgga  gacctctaa  ggccgcccag  tatactctag  agtcgacacc  cggggaattc
2201 ctcgagcgct  gctctctagc  ttggcgtaat  catggtcata  gctgtttcct  gttgtaaatt  gttatccgct  cacaaatcca  cacaaacatac  gagccggaag
2301 cataaagtgt  aaagcctggg  gtgcctaagt  agtggactaa  ctccacattaa  ttgctgtgcy  ctcaactgccc  gctttccagt  cgggaaacct  gtcgtgccag
2401 ctgcattaat  gaatcggcca  acgocgggg  agagccggtt  gcgctattgg  gcgctcttcc  gcttctcgc  tcaactgactc  ctgcccctcg  gtcgttcgpc
2501 tgcggcggagc  ggtatcagct  cactcaaaag  cggtaataacg  gttatccaca  gaatcagggg  ataacgcagg  aaagaacatg  tgagcaaaa  gccagcaaaa
2601 ggccaggaac  cgtaaaaagg  ccgctgtgct  ggcgtttttc  cataggtccc  gcccccctga  cgagcatcac  aaaaatcgac  gctcaagatca  gaggtggcga
2701 aaccgcaagc  gactataaag  ataccagggc  ttccccctg  gaagctccc  cgtgctctc  cctgttccga  cctgcccgt  taccggatc  ctgtccgct
2801 ttctcccttc  ggaagcgtg  gcgctttctc  aatgctcagc  ctgtaggtat  ctgacttccg  tgtaggtcgt  tcgctccaa  ctgggctgtg  tgcacgaacc
2901 ccccgctcag  cccgacccgt  gcgctttatc  cggtaactat  cgtcttgagt  ccaaccgggt  aagacacgac  ttatcgccac  ttgacgacgc  cactggtaac
3001 aggattagca  gagcagagga  tctagcgggt  gctacagagt  tcttgaagtg  ttggcctaac  taggcctaca  ctagaaggac  agtatttgg  atctgcgctc
3101 tgctgaagcc  agttactctc  ggaaaaagag  ttggtagctc  ttgatccggc  aaaaaacca  ccgctggtag  cgggtggttt  tttgtttgca  agcagcagat
3201 tacgcgcaga  aaaaaaggat  ctcaagaaga  tctcttgatc  ttttctacgg  ggtctgacgc  tcagtggaa  gaaaactcac  gtttaaggat  ttttggctatg
3301 agattatcaa  aaaggatctt  cacctagatc  cttttaaatt  aaaaatgaag  ttttaaatca  atctaaagta  tatatgagta  aacttggct  gacagttacc
3401 aatgcttaat  cagtgaggca  cctatctcag  cgtatctct  atttcgttca  tccatagttg  cctgactccc  cgtcgtgtag  ataactacga  tacgggaggg
3501 cttaccatct  ggccccagtg  ctgcaatgat  atccagctca  ttaattgttg  cggctccaga  tttatcagca  ataaaccagc  cagccggaag  gcccgagcgc
3601 agaagtgttc  ctgcaacttt  atccgctcc  atccagctca  ttaattgttg  cggggaagct  agagtaagta  gttccgcaag  taatagtttg  cgcaacgctg
3701 ttgccattgc  tacaggcatc  gtgggtctac  gctcgtcgt  ttggtatggt  tcattcagct  cgggttccca  acgatcaagg  cgagttacat  gatcccccat
3801 tttgtgcaaa  aaagcggtta  gctccttcgg  tctccgcatc  gttgtcagaa  gtaagtggc  cgcagtgta  tcaactatgg  ttaaggcagc  actgcataat
3901 tctcttactg  tcaatgcaatc  cgtaaagatg  tttttctgta  ctgggtgagta  ctcaaccaag  tcattctgag  aatagtgtat  gccggcacc  agttgctctt
4001 gcccgcgctc  aatacgggat  aataccggc  cacatagcag  aactttaaaa  gtgctcatca  ttgaaaaacg  ttcttcgggg  cgaaaactct  caaggatctt
4101 accgctgttg  agatccagtt  cगतtaacc  cactcgtgca  cccaactgat  cttcagatc  ttttacttct  accagcgttt  ctgggtgagc  aaaaaacagga
4201 aggcaaaatg  ccgcaaaaaa  ggaataaagg  cgcacacgga  aatgttgaat  actcatactc  ttcttttct  aatattattg  aagcatttat  cagggttatt
4301 gtctcatgag  cggatacata  tttgaatgta  tttagaaaa  taaacaaata  ggggttccgc  gcacatttcc  ccgaaaagtg  ccactgacg  tctaagaaac
4401 cattattatc  atgacattaa  cctataaaaa  taggcgtatc  acgagccct  tctctc

```

> RDC1748 Translated Insert Sequence

```

1   mekkwkycav  yyiiqihfvk  gvwektvnte  envyatlgsd  vnltcqtqtv  gffvqmqsks  vtnkidliav  yhpqygyfca  ygrpceslvt  ftetpengsk
101  wtllhlnmsc  svsgryecml  vlypegiqtk  iynlliqthv  tadewsnht  ieieingtle  ipcfnsssk  isseftyaws  vedngtqetl  isqnhlisn
201  tllkdrvklg  tdyrlhlspl  qifddgrkfs  chirvgpnki  lrssttvkvf  akpeipvive  nnstdvlver  rftcllknvf  pkanitwfid  gsflhdekeg
301  iyitneerkg  kdgflelksv  ltrvhsnkpa  qsdnltiwcm  alsppvgnkv  wnissekitf  llgseisst  pplsvttestl  dtqpspassv  sparypatss
401  vtlvdvsalr  pnttpqpsns  smttrgnfnp  wtssgdtdkk  svsrpsety  ssspsgagst  lhdnvtsta  rafsevptta  ngstktnhvh  itgivvnpk
501  dgmwspviva  allfccmilf  glgvrkwqcy  qkeimerppp  fkpppppiky  tciqepnesd  lpyhemetl

```