*h*CD3 ε VersaClone cDNA

Catalog Number: RDC1746

Specifications:

Gene:	*h*CD3E
Accession:	NP_000724
Insert size:	637bp
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

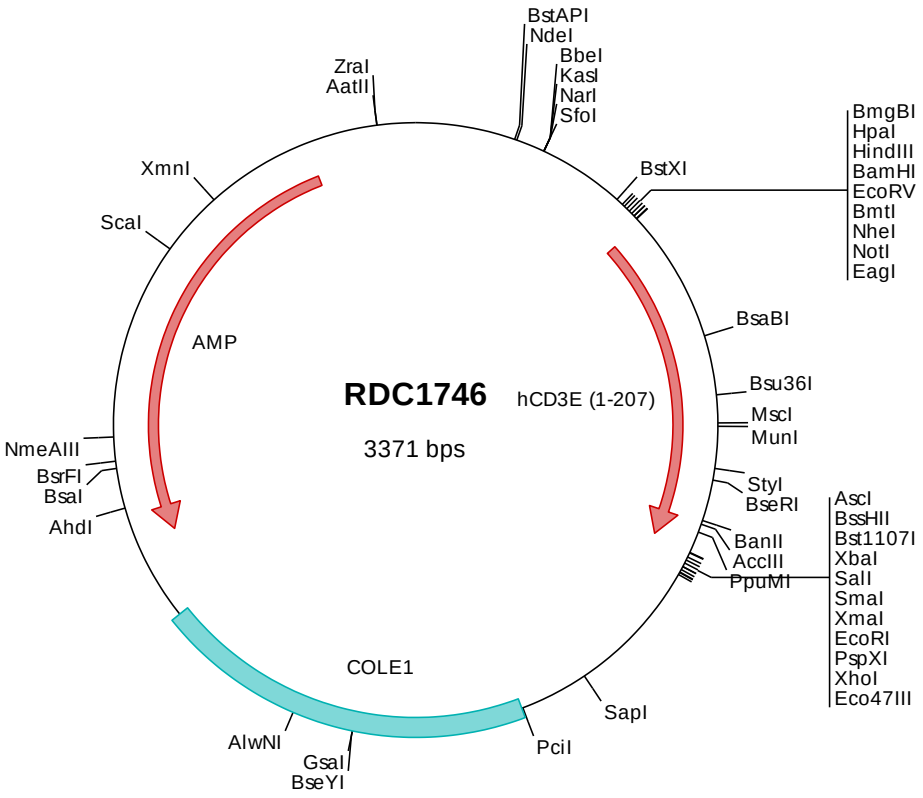
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CD3 ε cDNA Plasmid

CD3E CD3e molecule [*Homo sapiens* (human)]

Also known as: T3E; TCRE; IMD18

Summary:
CD3E is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Defects in CD3E cause immunodeficiency. It has also been linked to a susceptibility to type I diabetes in women.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1746 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcagtcgg gcactcactg gagagttctg ggcctctgcc tcttatcagt
 501  tggtgtttgg gggcaagatg gtaatgaaga aatgggtggt attacacaga caccatataa agtctccatc tctggaacca cagtaatatt gacatgccct
 601  cagtatcctg gatctgaaat actatggcaa cacaatgata aaaacatagg cggtgatgag gatgataaaa acataggcag tgatgaggat cacctgtcac
 701  tgaaggaatt ttcagaattg gagcaaagtg gttattatgt ctgctacccc agaggaagca aaccagaaga tgcgaacttt tatctctacc tgagggcaag
 801  agtgtgtgag aactgcatgg agatggatgt gatgtcggtg gccacaattg tcatagtgga catctgcatc actgggggct tgctgctgct ggtttactac
 901  tggagcaaga atagaaaggc caaggccaag cctgtgacac gaggagcggg tgctggcggc aggcaaaggg gacaaaacaa ggagaggcca ccacctgttc
1001  ccaacccaga ctatgagccc atccggaaag gccagcggga cctgtattct ggcctgaatc agagacgcat ctaaaggcgc gccagtatac tctagagtcg
1101  acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa
1201  catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga
1301  aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact gactcgctgc
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1701  gatacctgtc cgcctttctc ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag gtcgttcgct ccaagctggg
1801  ctgtgtgcac gaaccccccg ttcagcccga ccgctgcgcc ttatccggta actatcgtct tgagtccaac ccggtaagac acgacttatc gccactggca
1901  gcagccactg gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagttcttg aagtggtggc ctaactacgg ctacactaga aggacagtat
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2101  ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt ggaacgaaaa ctcacgttaa
2201  gggattttgg tcatgagatt atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta aagtatatat gagtaaactt
2301  ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac
2401  tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct ccagatttat cagcaataaa ccagccagcc
2501  ggaagggccg agcgcagaag tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt aagtagttcg ccagttaata
2601  gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt tcccaacgat caaggcgagt
2701  tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg
2801  gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggt gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc
2901  gaccgagttg ctcttgcccg gcgtcaatac gggataatac cgcgccacat agcagaactt taaaagtgct catcattgga aaacgttctt cggggcgaaa
3001  actctcaagg atcttaccgc tgttgagatc cagttcgatg taacccactc gtgcacccaa ctgatcttca gcatctttta ctttcaccag cgtttctggg
3101  tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taagggcgac acggaaatgt tgaatactca tactcttcct ttttcaatat tattgaagca
3201  tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt tccgcgcaca tttccccgaa aagtgccacc
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> RDC1746 Translated Insert Sequence

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101  rgskpedanf ylylrarvce ncmemdvmsv ativivdici tgglllvyy wsknrkakak pvtrgagagg rqrgqnkerp ppvpnpdyep irkgqrdlys
201  glnqrri
```