*h*IL-3Rα/CD123 VersaClone cDNA

Catalog Number: RDC0896

Specifications:

Gene:	*h*IL3RA
Accession:	NP_002174
Insert size:	1150bp
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

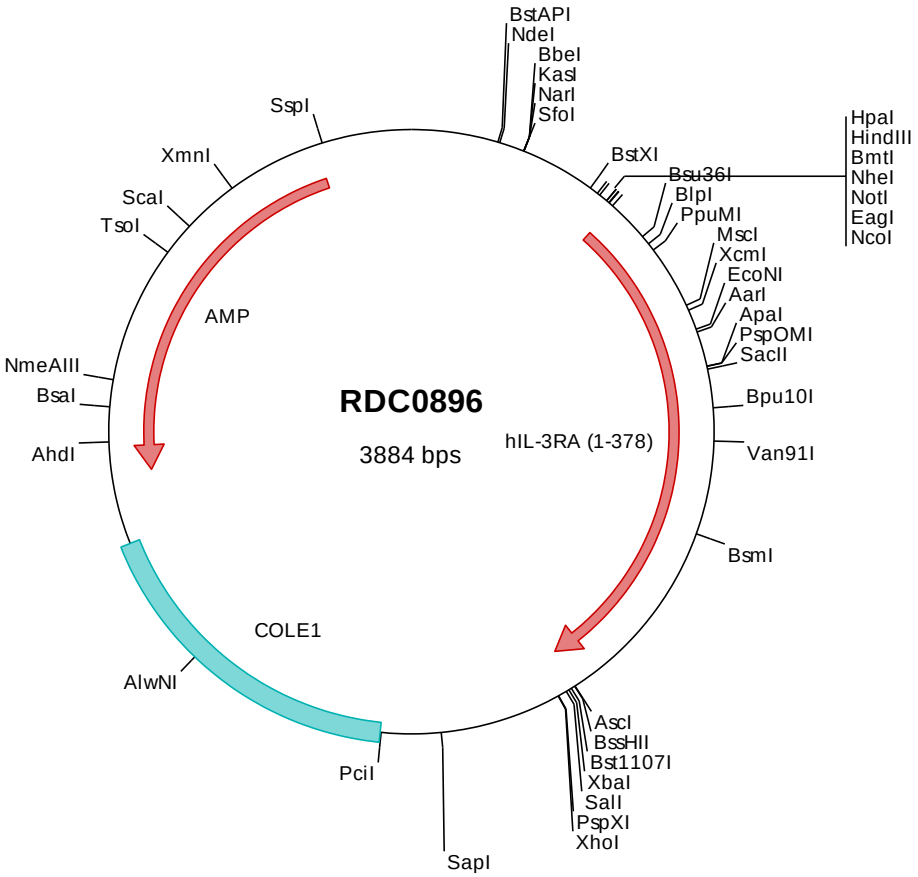
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-3Rα/CD123 cDNA Plasmid

IL3RA interleukin 3 receptor, alpha (low affinity) [*Homo sapiens* (human)]

Also known as: IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra

Summary:
IL3RA belongs to the type I cytokine receptor family and is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0896 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 atggtcctcc tttggctcac gctgctcctg atcgccctgc cctgtctcct
 501  gcaaacgaag gaagatccaa acccaccaat cacgaaccta aggatgaaag caaaggctca gcagttgacc tgggacctta acagaaatgt gaccgatatc
 601  gagtgtgtta aagacgccga ctattctatg ccggcagtga acaatagcta ttgccagttt ggagcaattt ccttatgtga agtgaccaac tacaccgtcc
 701  gagtggccaa ccccccattc tccacgtgga tcctcttccc tgagaacagt gggaagcctt gggcaggtgc ggagaatctg acctgctgga ttcatgacgt
 801  ggatttcttg agctgcagct gggcggtagg cccgggggcc cccgcggacg tccagtacga cctgtacttg aacgttgcca acaggcgtca acagtacgag
 901  tgtcttcact acaaaacgga tgctcaggga acacgtatcg ggtgtcgttt cgatgacatc tctcgactct ccagcggttc tcaaagttcc cacatcctgg
1001  tgcggggcag gagcgcagcc ttcggtatcc cctgcacaga taagtttgtc gtcttttcac agattgagat attaactcca cccaacatga ctgcaaagtg
1101  taataagaca cattccttca tgcactggaa aatgagaagt catttcaatc gcaaatttcg ctatgagctt cagatacaaa agagaatgca gcctgtaatc
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1301  cctggagcac cccccagcgc ttcgagtgcg accaggagga gggcgcaaac acacgtgcct ggcggacgtc gctgctgatc gcgctgggga cgctgctggc
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1501  aacgacaagc tggtggtctg ggaggcgggc aaagccggcc tggaggagtg tctggtgact gaagtacagg tcgtgcagaa aacttaaagg cgcgccagta
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1701  caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct cactgcccgc
1801  tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc ttcctcgctc
1901  actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa
2001  agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc cccctgacg agcatcacaa
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2601  gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacgggg tctgacgctc agtggaacga
2701  aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt ttaaatcaat ctaaagtata
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2901  tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg gctccagatt tatcagcaat
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3601  cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac tcatactctt cctttttcaa
3701  tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc
3801  gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata ggcgtatcac gaggcccttt cgtc
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> RDC0896 Translated Insert Sequence

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 101  gkpwagaenl tcwihdvdfl scswavgpga padvqydlyl nvanrrqqye clhyktdaqg trigcrfddi srlssgsqss hilvrgrsaa fgipctdkfv
 201  vfsqieiltp pnmtakcnkt hsfmhwkmrs hfnrkfryel qiqkrmqpvi teqvrdrtsf qllnpgtytv qirarervye flsawstpqr fecdqeegan
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