*h*FcεR1α VersaClone cDNA

Catalog Number: RDC1775

Specifications:

Gene:	*h*FCER1A
Accession:	AAH15195
Insert size:	787bp
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

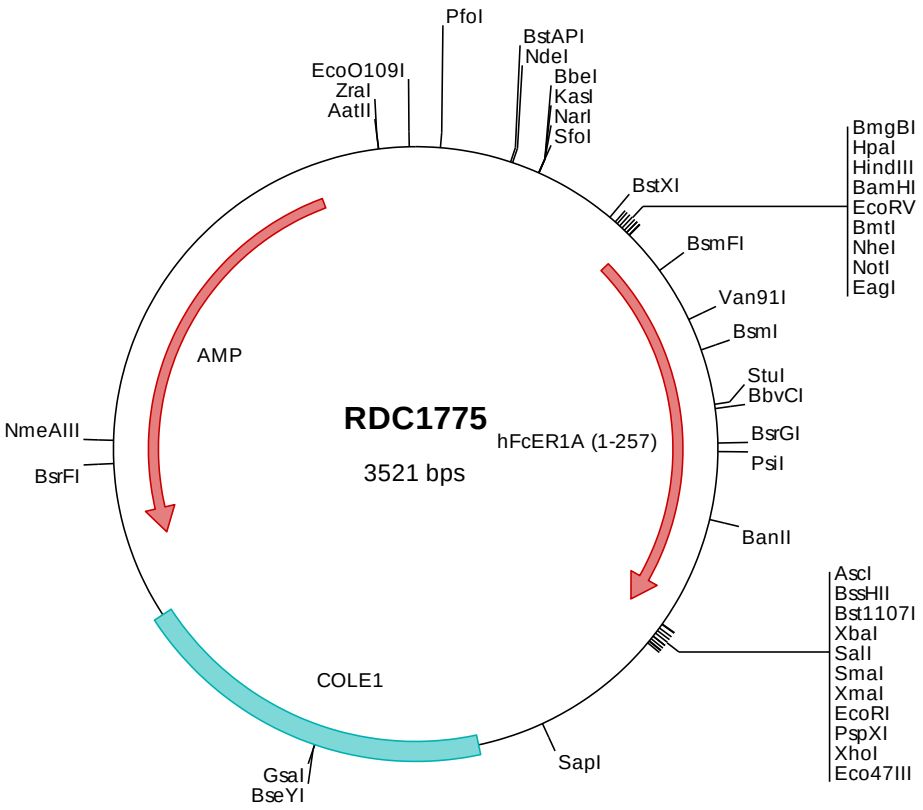
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*FcεR1α cDNA Plasmid

FCER1A Fc fragment of IgE receptor Ia [*Homo sapiens* (human)]

Also known as: FCE1A; FcERI

Summary:
FCER1A is a type I transmembrane glycoprotein of the multichain immune recognition (MIRR) family. It is the alpha subunit of the high affinity IgE receptor. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1775 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 atggctcctg ccatggaatc ccctactcta ctgtgtgtag ccttactgtt
 501  cttcgctcca gatggcgtgt tagcagtccc tcagaaacct aaggtctcct tgaaccctcc atggaataga atatttaaag gagagaatgt gactcttaca
 601  tgtaatggga acaatttctt tgaagtcagt tccaccaaat ggttccacaa tggcagcctt tcagaagaga caaattcaag tttgaatatt gtgaatgcca
 701  aatttgaaga cagtggagaa tacaaatgtc agcaccaaca agttaatgag agtgaacctg tgtacctgga agtcttcagt gactggctgc tccttcaggc
 801  ctctgctgag gtggtgatgg agggccagcc cctcttcctc aggtgccatg gttggaggaa ctgggatgtg tacaaggtga tctattataa ggatggtgaa
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1001  actatgagtc tgagcccctc aacattactg taataaaagc tccgcgtgag aagtactggc tacaattttt tatcccattg ttggtggtga ttctgtttgc
1101  tgtggacaca ggattattta tctcaactca gcagcaggcc acatttctct tgaagattaa gagaaccagg aaaggcttca gacttctgaa cccacatcct
1201  aagccaaacc ccaaaaacaa ctaaaggcgc gccagtatac tctagagtcg acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg
1301  tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga
1401  gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg
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1601  atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt
1701  ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc
1801  ccctggaagc tccctcgtgc gctctcctgt tccgaccctg ccgcttaccg gatacctgtc cgcctttctc ccttcgggaa gcgtggcgct ttctcaatgc
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2201  agctcttgat ccggcaaaca aaccaccgct ggtagcggtg gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt
2301  tgatcttttc tacggggtct gacgctcagt ggaacgaaaa ctcacgttaa gggattttgg tcatgagatt atcaaaaagg atcttcacct agatcctttt
2401  aaattaaaaa tgaagtttta aatcaatcta aagtatatat gagtaaactt ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc
2501  tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc
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2701  gtctattaat tgttgccggg aagctagagt aagtagttcg ccagttaata gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg
2801  tcgtttggta tggcttcatt cagctccggt tcccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc
2901  cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc
3001  tgtgactggt gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc gaccgagttg ctcttgcccg gcgtcaatac gggataatac cgcgccacat
3101  agcagaactt taaaagtgct catcattgga aaacgttctt cggggcgaaa actctcaagg atcttaccgc tgttgagatc cagttcgatg taacccactc
3201  gtgcacccaa ctgatcttca gcatcttta ctttcaccag cgtttctggg tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taagggcgac
3301  acggaaatgt tgaatactca tactcttcct ttttcaatat tattgaagca tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag
3401  aaaaataaac aaatagggt tccgcgcaca tttccccgaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc
3501  gtatcacgag gccctttcgt c
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> RDC1775 Translated Insert Sequence

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101  sepvylevfs dwlllqasae vvmegqplfl rchgwrnwdv ykviyykdge alkywyenhn isitnatved sgtyyctgkv wqldyesepl nitvikapre
201  kywlqffipl lvvilfavdt glfistqqqa tfllkikrtr kgfrllnphp kpnpknn
```