*rhesus*EDA2R VersaClone cDNA

Catalog Number: RDC3504

Specifications:

Gene:	*rhesus*EDA2R
Accession:	NP_001180396.1
Insert size:	907bp
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

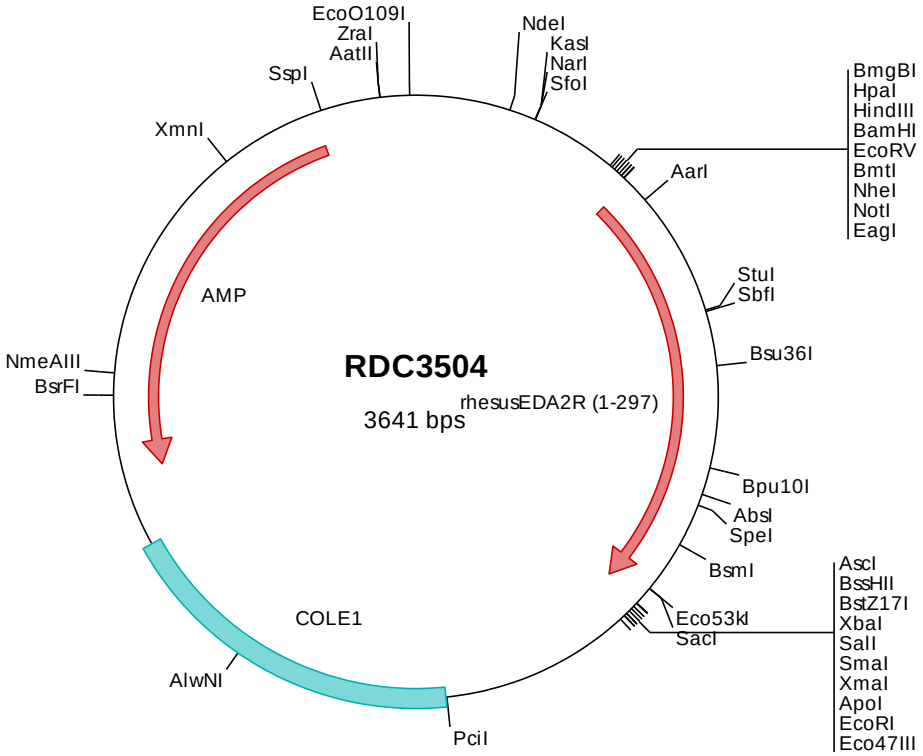
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*rhesus*EDA2R cDNA Plasmid

EDA2R ectodysplasin A2 receptor [*Macaca mulatta* (Rhesus monkey)]

Also known as: XEDAR; EDAA2R; EDA-A2R; TNFRSF27

Summary:
EDA2R is a type III transmembrane protein of the tumor necrosis factor receptor (TNFR) superfamily. It contains 3 cysteine-rich repeats and a single transmembrane domain but lacks an N-terminal signal peptide. EDA2R is widely expressed, notably in embryonic basal epidermal cells and maturing hair follicles. EDA2R binds selectively to the EDA-A2 variant of Ectodysplasin (EDA). Mutations in EDA2R are associated with hypohidrotic ectodermal dysplasia (HED), a disorder of hair, tooth, and eccrine sweat gland morphogenesis. EDA2R is down-regulated in breast, colon, and lung cancers, particularly in cases with p53 mutations.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3504 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 501  ctgccaacgg tgtggtcctg gacaggagct atccaaggat tgtggttatg gagagggtgg agatgcctac tgcacagcct gccctcctcg caggtacaaa
 601  agcagttggg gccaccacag atgtcagagt tgcatcacct gtgctgtcat caatcgtgtt cagaaggtca actgcacagc tacctctaat gctgtctgtg
 701  gggactgtct gcccaggttc taccgaaaga cacgcattgg aggcctgcag gagcaagagt gcatcccgtg cacgaagcag actcccacct ctgaagttca
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1301  acagactgga gctcaatgtg acctttgaag ttcccagccc ttaaaggcgc gccagtatac tctagagtcg acacccgggg aattcctcga gcgctcgtct
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1701  cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa
1801  aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta
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3001  ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg gcagcactgc ataattctct tactgtcatg
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> RDC3504 Translated Insert Sequence

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201  epqmsesifq tqplnpiled dcsstsgfpt qdsfttasca seshshwvhn piecteldlq kfsssasytg aetlrgntte stgdrlelnv tfevpsp
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