

Datasheet for ABIN4944734

Human ADGRE2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	ADGRE2
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human ADGRE2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	2298 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGAGGCC GCGTCTTTCT CGTCTTTCTC GCATTCTGTG TCTGGCTGAC TCTGCCGGGA GCTGAAACCC AGGACTCCAG GGGCTGTGCC CGGTGGTGCC CTCAGGACTC CTCGTGTGTC AATGCCACCG CCTGTCGCTG CAATCCAGGG TTCAGCTCTT TTTCTGAGAT CATCACCACC CCCATGGAGA CTTGTGACGA CATCAACGAG TGTGCAACAC TGTCGAAAGT GTCATGCGGA AAATTCTCGG ACTGCTGGAA CACAGAGGGG AGCTACGACT GCGTGTGCAG CCCAGGATAT

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GAGCCTGTTT CTGGGGCAAA AACATTCAAG AATGAGAGCG AGAACACGTG TCAAGATGTG
GACGAATGTC AGCAGAACCC AAGGCTCTGT AAAAGCTACG GCACCTGCGT CAACACCCTC
GGCAGCTACA CGTGCCAGTG CCTGCCTGGC TTCAAGCTCA AACCTGAGGA CCCGAAGCTC
TGCACAGATG TGAATGAATG CACCTCCGGA CAAAACCCAT GCCACAGCTC CACCCACTGC
CTCAACAACG TGGGCAGCTA TCAGTGCCGC TGCCGCCCGG GCTGGCAACC GATTCCGGGG
TCCCCAATG GCCCAAACAA TACCGTCTGT GAAGATGTGG ACGAGTGCAG CTCCGGGCAG
CATCAGTGTG ACAGCTCCAC CGTCTGCTTC AACACCGTGG GTTCATACAG CTGCCGCTGC
CGCCCAGGCT GGAAGCCCAG ACACGGAATC CCGAATAACC AAAAGGACAC TGTCTGTGAA
GATATGACTT TCTCCACCTG GACCCCGCCC CCTGGAGTCC ACAGCCAGAC GCTTTCCCGA
TTCTTCGACA AAGTCCAGGA CCTGGGCAGA GACTACAAGC CAGGCTTGGC CAATAACACC
ATCCAGAGCA TCTTACAGGC GCTGGATGAG CTGCTGGAGG CCCCTGGGGA CCTGGAGACC
CTGCCCCGCT TACAGCAGCA CTGTGTGGCC AGTCACCTGC TGGATGGCCT AGAGGATGTC
CTCAGAGGCC TGAGCAAGAA CCTTTCCAAT GGGCTGTTGA ACTTCAGTTA TCCTGCAGGC
ACAGAATTGT CCCTGGAGGT GCAGAAGCAA GTAGACAGGA GTGTCACCTT GAGACAGAAT
CAGGCAGTGA TGCAGCTCGA CTGGAATCAG GCACAGAAAT CTGGTGACCC AGGCCCTTCT
GTGGTGGGCC TTGTCTCCAT TCCAGGGATG GGCAAGTTGC TGGCTGAGGC CCCTCTGGTC
CTGGAACCTG AGAAGCAGAT GCTTCTGCAT GAGACACACC AGGGCTTGCT GCAGGACGGC
TCCCCATCC TGCTCTCAGA TGTGATCTCT GCCTTTCTGA GCAACAACGA CACCCAAAAC
CTCAGCTCCC CAGTTACCTT CACCTTCTCC CACCGTGAGG AGGATCCCGT GCTGACTGTC
ATCACCTACA TGGGGCTGAG CGTCTCTCTG CTGTGCCTCC TCCTGGCGGC CCTCACTTTT
CTCCTGTGTA AAGCCATCCA GAACACCAGC ACCTCACTGC ATCTGCAGCT CTCGCTCTGC
CTCTTCTGG CCCACCTCCT CTTCTCTGTG GCAATTGATC AAACCGGACA CAAGGTGCTG
TGCTCCATCA TCGCCGTAC CTTGCACTAT CTCTACCTGG CCACCTTGAC CTGGATGCTG
CTGGAGGCC TGTACCTCTT CCTCACTGCA CGGAACCTGA CGGTGGTCAA CTACTCAAGC
ATCAACAGAT TCATGAAGAA GCTCATGTTT CCTGTGGGCT ACGGAGTCCC AGCTGTGACA
GTGGCCATTT CTGCAGCCTC CAGGCCTCAC CTTTATGGAA CACCTTCCCG CTGCTGGCTC
CAACCAGAAA AGGGATTTAT ATGGGGCTTC CTTGGACCTG TCTGCGCCAT CTTCTCTGTG
AATTTAGTTC TCTTTCTGGT GACTCTCTGG ATTTTGAAAA ACAGACTCTC CTCCTCAAT
AGTGAAGTGT CCACCCTCCG GAACACAAGG ATGCTGGCAT TAAAGCGAC AGCTCAGCTG
TTCATCCTGG GCTGCACGTG GTGTCTGGGC ATCTTGCAAG TGGGTCCGGC TGCCCGGGTC
ATGGCCTACC TCTTACCAT CATCAACAGC CTGCAGGGTG TCTTCATCTT CCTGGTGTAC
TGCCCTCTCA GCCAGCAGGT CCGGGAGCAA TATGGGAAAT GGTCAAAGG GATCAGGAAA
TTGAAAACCTG AGTCTGAGAT GCACACACTC TCCAGCAGTG CTAAGGCTGA CACCTCCAAA
CCCAGCACGG TTAAGTAG

Specificity:

ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning

Product Details

technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: ADGRE2

Abstract: [ADGRE2 Products](#)

Background: This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012].

Gene ID: 30817

NCBI Accession: [NM_001271052](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.

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Handling

- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)