

Datasheet for ABIN4941747

Human EMR3 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	EMR3
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 ADGRE3 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1959 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCAGGGAC CATTGCTTCT TCCAGGCCTC TGCTTTCTGC TGAGCCTCTT TGGAGCTGTG ACTCAGAAAA CCAAACCTTC CTGTGCTAAG TGCCCCCAA ATGCTTCCTG TGCAATAAC ACTCACTGCA CCTGCAACCA TGGATATACT TCTGGATCTG GGCAGAAACT ATTCACATTC CCCTTGGAGA CATGTAACGA CATTAAATGAA TGTACACCAC CCTATAGTGT ATATTGTGGA TTTAACGCTG TGTGTTACAA TGTCGAAGGA AGTTTCTACT GTCAATGTGT CCCAGGATAT

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AGACTGCATT CTGGGAATGA ACAATTCAGT AATCCAATG AGAACACCTG TCAGGACACC
ACCTCCTCAA AGACAACCGA GGGCAGGAAA GAGCTGCAAA AGATTGTGGA CAAATTTGAG
TCACTTCTCA CCAATCAGAC TTTATGGAGA ACAGAAGGGA GACAAGAAAT CTCATCCACA
GCTACCACTA TTCTCCGGGA TGTGGAATCG AAAGTTCTAG AACTGCCTT GAAAGATCCA
GAACAAAAG TCCTGAAAAT CAAAACGAT AGTGTAGCTA TTGAACTCA AGCGATTACA
GACAATTGCT CTGAAGAAAAG AAAGACATTC AACTTGAACG TCCAAATGAA CTCAATGGAC
ATCCGTTGCA GTGACATCAT CCAGGGAGAC ACACAAGGTC CCAGTGCCAT TGCCTTTATC
TCATATTCTT CTCTTGAAA CATCATAAAT GCAACTTTTT TTGAAGAGAT GGATAAGAAA
GATCAAGTGT ATCTGAACTC TCAGGTTGTG AGTGCTGCTA TTGGACCCAA AAGGAACGTG
TCTCTCTCCA AGTCTGTGAC GCTGACTTTC CAGCACGTGA AGATGACCCC CAGTACCAAA
AAGGTCTTCT GTGTCTACTG GAAGAGCACA GGGCAGGGCA GCCAGTGGTC CAGGGATGGC
TGCTTCCTGA TACACGTGAA CAAGAGTCAC ACCATGTGTA ATTGCAGTCA CCTGTCCAGC
TTCGCTGTCC TGATGGCCCT GACCAGCCAG GAGGAGGATC CCGTGCTGAC TGTCATCACC
TACGTGGGGC TGAGCGTCTC TCTGCTGTGC CTCCTCCTGG CGGCCCTCAC TTTTCTCCTG
TGAAAGCCA TCCGGAACAC CAGCACCTCA CTGCATCTGC AGCTCTCGCT CTGCCTCTTC
CTGGCCCACC TCCTCTTCCT CGTGGGGATT GATCGAACTG AACCCAAGGT GCTGTGCTCC
ATCATCGCCG GTGCTTTGCA CTATCTCTAC CTGGCCGCCT TCACCTGGAT GCTGCTGGAG
GGTGTGCACC TCTTCCTCAC TGCACGGAAC CTGACAGTGG TCAACTACTC AAGCATCAAT
AGACTCATGA AGTGGATCAT GTTCCAGTC GGCTATGGCG TTCCCGTGT GACTGTGGCC
ATTTCTGCAG CCTCCTGGCC TCACCTTTAT GAACTGCTG ATCGATGCTG GCTCCACCTG
GACCAGGGAT TCATGTGGAG TTTCCCTGGC CCAGTCTGTG CCATTTTCTC TGCGAATTTA
GTATTGTTTA TCTTGGTCTT TTGGATTTTG AAAAGAAAAC TTTCTCCCT CAATAGTGAA
GTGTCAACCA TCCAGAACAC AAGGATGCTG GCTTTCAAAG CAACAGCTCA GCTCTTCATC
CTGGGCTGCA CATGGTGTCT GGGCTTGCTA CAGGTGGGTC CAGCTGCCCA GGTGATGGCC
TACCTCTTCA CCATCATCAA CAGCCTCAA GGCTTCTTCA TCTTCTTGGT CTACTIONCTC
CTCAGCCAGC AGGTCCAGAA ACAATATCAA AAGTGGTTTA GAGAGATCGT AAAATCAAAA
TCTGAGTCTG AGACATACAC ACTTTCCAGC AAGATGGGTC CTGACTCAAA ACCCAGTGAG
GGGGATGTTT TTCCAGGACA AGTGAAGAGA AAATATTAA

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

Product Details

- 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: EMR3

Alternative Name: ADGRE3 ([EMR3 Products](#))

Background: This gene encodes a member of the class B seven-span transmembrane (TM7) receptor family expressed predominantly by cells of the immune system. Family members are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor (EGF)-like domains coupled to a TM7 domain via a mucin-like spacer domain. This gene is closely linked to the gene encoding egf-like molecule containing mucin-like hormone receptor 2 on chromosome 19. This protein may play a role in myeloid-myeloid interactions during immune and inflammatory responses. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2014].

Gene ID: 84658

NCBI Accession: [NM_032571](#)

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.
- 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

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Publications

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