

Datasheet for ABIN4933540

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:	1803 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 CAAAACCTTC CTGTGCTAAG TGCCCCCAA ATGCTTCCTG TGCAATAAC ACTCACTGCA CCTGCAACCA TGGATATACT TCTGGATCTG GGCAGAACT ATTCACATTC CCCTTGGAGA CATGTAACGA CACCACCTCC TCAAAGACAA CCGAGGGCAG GAAAGAGCTG CAAAAGATTG TGGACAAATT TGAGTCACTT CTCACCAATC AGACTTTATG GAGAACAGAA

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GGGAGACAAG AAATCTCATC CACAGCTACC ACTATTCTCC GGGATGTGGA ATCGAAAGTT
CTAGAAACTG CCTTGAAAGA TCCAGAACAA AAAGTCCTGA AAATCCAAAA CGATAGTGTA
GCTATTGAAA CTCAAGCGAT TACAGACAAT TGCTCTGAAG AAAGAAAGAC ATTCAACTTG
AACGTCCAAA TGAACCTAAT GGACATCCGT TGCAGTGACA TCATCCAGGG AGACACACAA
GGTCCCAGTG CCATTGCCTT TATCTCATAT TCTTCTCTTG GAAACATCAT AAATGCAACT
TTTTTTGAAG AGATGGATAA GAAAGATCAA GTGTATCTGA ACTCTCAGGT TGTGAGTGCT
GCTATTGGAC CAAAAGGAA CGTGTCTCTC TCCAAGTCTG TGACGCTGAC TTTCCAGCAC
GTGAAGATGA CCCCAGTAC CAAAAGGTC TTCTGTGTCT ACTGGAAGAG CACAGGGCAG
GGCAGCCAGT GGTCCAGGGA TGGCTGCTTC CTGATACACG TGAACAAGAG TCACACCATG
TGTAATTGCA GTCACCTGTC CAGCTTCGCT GTCCTGATGG CCCTGACCAG CCAGGAGGAG
GATCCCGTGC TGAAGTGCAT CACCTACGTG GGGCTGAGCG TCTCTCTGCT GTGCCTCCTC
CTGGCGGCCC TCACTTTTCT CCTGTGTAAG GCCATCCGGA ACACCAGCAC CTCACTGCAT
CTGCAGCTCT CGCTCTGCCT CTTCTGACC CACCTCCTCT TCCTCGTGGG GATTGATCGA
ACTGAACCCA AGGTGCTGTG CTCCATCATC GCCGGTGCTT TGAACATCT CTACCTGGCC
GCCTTACCT GGATGCTGCT GGAGGGTGTG CACCTCTTCC TCACTGCACG GAACCTGACA
GTGGTCAACT ACTCAAGCAT CAATAGACTC ATGAAGTGA TCATGTTCCC AGTCGGCTAT
GGCGTTCCCG CTGTGACTGT GGCCATTTCT GCAGCCTCCT GGCCTCACCT TTATGGA
GCTGATCGAT GCTGGCTCCA CCTGGACCAG GGATTCATGT GGAGTTTCT TGGCCAGCT
TGTGCCATTT TCTCTGCGAA TTTAGTATTG TTTATCTTGG TCTTTTGGAT TTTGAAAAGA
AACTTTTCT CCCTCAATAG TGAAGTGTCA ACCATCCAGA ACACAAGGAT GCTGGCTTTC
AAAGCAACAG CTCAGCTCTT CATCCTGGGC TGCACATGGT GTCTGGGCTT GCTACAGGTG
GGTCCAGCTG CCCAGGTCAT GGCCTACCTC TTCACCATCA TCAACAGCCT CCAAGGCTTC
TTCATCTTCT TGGTCTACTG CCTCCTCAGC CAGCAGGTCC AGAAACAATA TCAAAAGTGG
TTTAGAGAGA TCGTAAAATC AAAATCTGAG TCTGAGACAT ACACACTTTC CAGCAAGATG
GGTCCTGACT CAAAACCCAG TGAGGGGGAT GTTTTTCCAG GACAAGTGAA GAGAAAATAT
TAA

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

Grade: End-sequenced

Product Details

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_001289158](#)

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)