

Datasheet for ABIN4933541

## 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:	1581 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 CATGTAACGC TATTGAACT CAAGCGATTA CAGACAATTG CTCTGAAGAA AGAAAGACAT TCAACTTGAA CGTCCAAATG AACTCAATGG ACATCCGTTG CAGTGACATC

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## Product Details

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ATCCAGGGAG ACACACAAGG TCCCAGTGCC ATTGCCTTTA TCTCATATTC TTCTCTTGG  
AACATCATAA ATGCAACTTT TTTTGAAGAG ATGGATAAGA AAGATCAAGT GTATCTGAAC  
TCTCAGGTTG TGAGTGCTGC TATTGGACCC AAAAGGAACG TGTCTCTCTC CAAGTCTGTG  
ACGCTGACTT TCCAGCACGT GAAGATGACC CCCAGTACCA AAAAGGTCTT CTGTGTCTAC  
TGGAAGAGCA CAGGGCAGGG CAGCCAGTGG TCCAGGGATG GCTGCTTCCT GATACACGTG  
AACAAGAGTC ACACCATGTG TAATTGCAGT CACCTGTCCA GCTTCGCTGT CCTGATGGCC  
CTGACCAGCC AGGAGGAGGA TCCCCTGCTG ACTGTCATCA CCTACGTGGG GCTGAGCGTC  
TCTCTGCTGT GCCTCCTCCT GGCGGCCCTC ACTTTTCTCC TGTGTAAAGC CATCCGGAAC  
ACCAGCACCT CACTGCATCT GCAGCTCTCG CTCTGCCTCT TCCTGGCCCA CCTCCTCTTC  
CTCGTGGGGA TTGATCGAAC TGAACCCAAG GTGCTGTGCT CCATCATCGC CGGTGCTTTG  
CACTATCTCT ACCTGGCCGC CTTCACTGG ATGCTGCTGG AGGGTGTGCA CCTCTTCTC  
ACTGCACGGA ACCTGACAGT GGTCAACTAC TCAAGCATCA ATAGACTCAT GAAGTGGATC  
ATGTTCCCAG TCGGCTATGG CGTTCCCGCT GTGACTGTGG CCATTTCTGC AGCCTCCTGG  
CCTCACCTTT ATGGAAGTGC TGATCGATGC TGGCTCCACC TGGACCAGGG ATTCATGTGG  
AGTTTCCTTG GCCCAGTCTG TGCCATTTTC TCTGCGAATT TAGTATTGTT TATCTTGGTC  
TTTTGGATTT TGAAAAGAAA ACTTTCCTCC CTCAATAGTG AAGTGTCAAC CATCCAGAAC  
ACAAGGATGC TGGCTTTCAA AGCAACAGCT CAGCTCTTCA TCCTGGGCTG CACATGGTGT  
CTGGGCTTGC TACAGGTGGG TCCAGCTGCC CAGGTCATGG CCTACCTCTT CACCATCATC  
AACAGCCTCC AAGGCTTCTT CATCTTCTTG GTCTACTGCC TCCTCAGCCA GCAGGTCCAG  
AAACAATATC AAAAGTGGTT TAGAGAGATC GTAAAATCAA AATCTGAGTC TGAGACATAC  
ACACTTTCCA GCAAGATGGG TCCTGACTCA AAACCCAGTG AGGGGGATGT TTTTCCAGGA  
CAAGTGAAGA GAAAATATTA A

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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:	<ul style="list-style-type: none"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

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## Target Details

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Gene:	EMR3
Alternative Name:	ADGRE3 ( <a href="#">EMR3 Products</a> )
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:	<a href="#">NM_001289159</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	<ul style="list-style-type: none"><li>• Keep the vial sealed and store at -20°C for long-term storage.</li><li>• Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.</li><li>• 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.</li><li>• If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.</li><li>• Close the lid and vortex the vial for 1 minute.</li><li>• Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.</li></ul>
Expiry Date:	12 months

## Publications

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