

Product datasheet for **SC116455**

MFGE8 (NM_005928) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MFGE8 (NM_005928) Human Untagged Clone
Tag:	Tag Free
Symbol:	MFGE8
Synonyms:	BA46; EDIL1; HMFG; hP47; HsT19888; MFG-E8; MFGM; OAcGD3S; SED1; SPAG10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005928, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCGCCCCGCTGCTGGCCGCGCTGTGCGGCGCGCTGCTCTGCGCCCCAGCCTCCTCGTCGCCC  
TGGATATCTGTTCCAAAACCCCTGCCACAACGGTGGTTTATGCGAGGAGATTTCCAAGAAGTGCAGG  
AGATGTCTTCCCCTCGTACACCTGCACGTGCCTTAAGGGCTACGCGGGCAACCACTGTGAGACGAAATGT  
GTCGAGCCACTGGGCTGGAGAATGGGAACATTGCCAACTCACAGATCGCCGCTCGTCTGTGCGTGTGA  
CCTTCTTGGGTTTGCAGCATTGGGTCCCGGAGCTGGCCCGCTGAACCGCGCAGGCATGGTCAATGCCTG  
GACACCCAGCAGCAATGACGATAACCCCTGGATCCAGGTGAACCTGCTGCGGAGGATGTGGGTAACAGGT  
GTGGTGACGCAGGTTGCCAGCCGCTTGCCAGTCATGAGTACCTGAAGGCCTTCAAGGTGGCTACAGCC  
TTAATGGACACGAATTCGATTTTCATCCATGATGTTAATAAAAAACACAAGGAGTTTGTGGGTAACGGAA  
CAAAAACGCGGTGCATGTCAACCTGTTTGGAGCCCTGTGGAGGCTCAGTACGTGAGATTGTACCCACG  
AGCTGCCACACGGCTGCACTCTGCGCTTTGAGCTACTGGGCTGTGAGCTGAACGGATGCGCCAATCCCC  
TGGGCTGAAGAAATAACAGCATCCCTGACAAGCAGATCACGGCTCCAGCAGCTACAAGACCTGGGGCTT  
GCATCTTTCAGCTGGAACCCCTCCTATGCACGGCTGGACAAGCAGGGCAACTTCAACGCCTGGGTTGCG  
GGGAGCTACGGTAACGATCAGTGGCTGCAGGTGGACCTGGGCTCCTCGAAGGAGGTGACAGGCATCATCA  
CCCAGGGGGCCCCTAACTTTGGCTCTGTCCAGTTTGTGGCATCTACAAGGTTGCCTACAGTAATGACAG  
TGCGAAGTGGACTGAGTACCAGGACCCAGGACTGGCAGCAGTAAGATCTCCCTGGCAACTGGGACAAC  
CACTCCCACAAGAAGAAGTGTGGTGGAGACGCCATCCTGGCTCGTATGTGCGCATCCTGCCTGTAGCCT  
GGCACAACCGCATCGCCCTGCGCCTGGAGCTGCTGGGCTGTTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005928 unedited
 GGT CAGC ATTTGT ATAC GACTACT ATAGGCGGCCGNAATTCGCACGAGGGTCTGAGC
 AGCCCAGCGTGCCATTCCAGCGCCCGCTCCCGCAGCATGCCGCGCCCCGCCTGCTG
 GCCGCGCTGTGCGGCGCGCTGCTCTGCGCCCCAGCCTCCTCGTCGCCCTGGATATCTGT
 TCCAAAAACCCCTGCCACAACGGTGGTTTATGCGAGGAGATTTCCAAGAAGTGCAGGA
 GATGCTTCCCCTCGTACACCTGCACGTGCCTTAAGGGCTACGCGGGCAACCACTGTGAG
 ACGAAATGTGTGCGAGCCACTGGCCTGGAGAATGGGAACATTGCCAACTCACAGATCGCC
 GCCTCGTCTGTGCGTGTGACCTTCTGGGTTTGCAGCATTGGGTCCCGGAGCTGGCCCGC
 CTGAACCGCGCAGGCATGGTCAATGCCTGGACACCCAGCAGCAATGACGATAAACCCTGG
 ATCCAGGTGAACCTGCTGCGGAGGATGTGGTAAACAGGTGTGGTACGCAGGGTGCCAGC
 CGCTTGGCCAGTCATGAGTACCTGAAGCCTTCAAGGTGGCTACAGCCTTAATGGACAC
 GAATTCGATTTCCATCATGATGTTAATAAAAAACACAAGGAGTTTGTGGTAACTGGAAC
 AAAAACCGGTGCATGTCAACCTGTTTGAAGCCCTGTGGAGGCTCAGTACGTGAGATTG
 TACCCACGAGCTGCCACACGGCCTGACTCTGCGCTNTGAGCTACTGGGCTGTGAGCTG
 AACGGATGCGCAATCCCTGGCCTGAAGAATAACAGCATCCTGACAAGCAGACACGGC
 CTT CAGCAGCTACAAGACCTGGNGCTNGCATCTCTTCAGCTGGAACCTNCTATGCACGG
 CTGGCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005928 unedited
 TGAAGTAAATTTTTGGGAGCTGCCTGTGCTCTGGGGTNGAAAAGCCAGCATAGAGGG
 CCCC AACGCCACCCTGCCAACCCATGCCCTCCTTGACCTCGTCCCTTTCTCCCAT
 AGACCCGCCCCACCCCTTCTGTGTCGCTGGGCTT CAGGACAAGGGGCAAGAGAGGCAAC
 CAGGGAGACAAGGGGAAGTGTCTTGGGGACAGGGGGCCACAGCAGTTGTGGCCACATGGT
 ACCCCAGGGCCGACGCAGGGCCGACGGCAAGAGGCTGTTATCTCCAGCCTGGCGCTTCC
 GGGCCTTTCTTGAGGCCACCATGGGAATGTGATGTGTGAGAGAGGGGCTAGGAGAGACAG
 AGACACACGCACCTGGGATCGGCGGTCCGGACAGGGGCAGGGAAACCACACGCCCTACTT
 TGCCCTTTCTGTCCATCCCAGACCTACTCAGATCCCTCAGTGCCTAAGAAAACAGGACA
 GTGAGGACTGGGGTTAGGGGACGGGGCTTANGGGCTGGGGCAGGGCCGTGAGAGGTGG
 AGGGTGGGAAAGAGGGAGGGAGGGGTGACTGTGTGGTGGNGNNTGCTTTGACACCCTTCC
 CTTNTCCAGTCCCAGCCCTATGGGTGTTTAAAGGGCTGATAAACCAACAAGCAGCCGG
 GCCCTGTGAAGCCAGAAACACCTGGCGGGGAGCCGGTGGGCCCTAAACAGCCCAGCAGC
 TTCAGGACCCTCGCACGCTGTTGTCGACGTTTCATGCCTGATGCGCTCTTTANNAACT
 CCTTTCTGCTTTCCACCCAGCTTTTTTTGCGGGAGAGGGTTTTCCANCAGCCAGGAAN
 ACNTTACCGCGGCCACCCTGGGCTCTTGGACCTACAGCTCCACTTTATTGCGCGCTT
 ACATCTCNNNNNCACTATATTGCAGCGTACAACNCCGNCCCCCGGGCGGAGTCCGC
 CCTCTCTNNACGCCCCACCCGACCTCCTCGTATCCNCA

Restriction Sites:

NotI-NotI

ACCN:

NM_005928

Insert Size:

2100 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_005928.1](#), [NP_005919.1](#)

RefSeq Size: 1934 bp

RefSeq ORF: 1164 bp

Locus ID: 4240

UniProt ID: [Q08431](#)

Cytogenetics: 15q26.1

Domains: F5_F8_type_C, EGF, EGF

Gene Summary: This gene encodes a preproprotein that is proteolytically processed to form multiple protein products. The major encoded protein product, lactadherin, is a membrane glycoprotein that promotes phagocytosis of apoptotic cells. This protein has also been implicated in wound healing, autoimmune disease, and cancer. Lactadherin can be further processed to form a smaller cleavage product, medin, which comprises the major protein component of aortic medial amyloid (AMA). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Transcript Variant: This variant (1) encodes the longest isoform (a).