

Product datasheet for **SC310892**

EFEMP1 (NM_001039348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EFEMP1 (NM_001039348) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFEMP1
Synonyms:	DHRD; DRAD; FBLN3; FBNL; FIBL-3; MLVT; MTLV; S1-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001039348, the custom clone sequence may differ by one or more nucleotides

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ATGTTGAAAGCCCTTTTCCTAACTATGCTGACTCTGGCGCTGGTCAAGTCACAGGACACCGAAGAAACCA
TCACGTACACGCAATGCACTGACGGATATGAGTGGATCCTGTGAGACAGCAATGCAAAGATATTGATGA
ATGTGACATTGTCCCAGACGCTTGTAAAGGTGGAATGAAGTGTGTCAACCACTATGGAGGATACCTCTGC
CTTCCGAAAACAGCCAGATTATTGTCAATAATGAACAGCCTCAGCAGGAAACACAACCAGCAGAAGGAA
CCTCAGGGGCAACCACCGGGTGTAGCTGCCAGCAGCATGGCAACCAGTGGAGTGTGCCCGGGGTGG
TTTTGTGGCCAGTCTGCTGCAGTCGCAGGCCCTGAAATGCAGACTGGCCGAAATAACTTTGTCATCCGG
CGGAACCCAGCTGACCCTCAGCGCATTCCCTCCAACCCTCCACCGTATCCAGTGTGCAGCAGGCTACG
AGCAAAGTGAACACAACGTGTGCCAAGACATAGACGAGTGCAGTGCAGGGACGCACAACCTAGAGCAGA
CCAAGTGTGCATCAATTTACGGGGATCCTTTGCATGTCAGTGCCTCCTGGATATCAGAAGCGAGGGGAG
CAGTGCCTAGACATAGATGAATGTACCATCCCTCCATATTGCCACCAAAGATGCGTGAATACACCAGGCT
CATTTTATTGCCAGTGCAGTCTGGGTTTCAATTGGCAGCAAACAACCTATACCTGCGTAGATATAAATGA
ATGTGATGCCAGCAATCAATGTGCTCAGCAGTGTACAACATTCTGGTTCATTCATCTGTGAGTCAAT
CAAGGATATGAGCTAAGCAGTGCAGGCTCAACTGTGAAGACATTGATGAATGCAGAACCTCAAGCTACC
TGTGTCAATATCAATGTGTCAATGAACCTGGGAAATCTCATGTATGTGCCCCAGGGATACCAAGTGGT
GAGAAGTAGAACATGTCAAGATATAAATGAGTGTGAGACCACAAATGAATGCCGGGAGGATGAAATGTGT
TGGAAATTATCATGGCGGCTTCCGTTGTTATCCACGAAATCCTTGTCAAGATCCCTACATTCTAACCCAG
AGAACCGATGTGTTTGCAGTCTCAAATGCCATGTGCCGAGAACTGCCCCAGTCAATAGTCTACAATA
CATGAGCATCCGATCTGATAGGTCTGTGCCATCAGACATCTCCAGATACAGGCCACAACCTATTTATGCC
AACACCATCAATACTTTTCGGATTAATCTGGAATGAAATGGAGAGTTCTACCTACGACAAAACAGTC
CTGTAAGTCAATGCTTGTGCTCGTGAAGTCATTATCAGGACCAAGAGAACATATCGTGGACCTGGAGAT
GCTGACAGTCAGCAGTATAGGGACCTCCGCACAAGCTCTGTGTTAAGATTGACAATAATAGTGGGGCCA
TTTTCATTTTAG
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Restriction Sites:	Please inquire
ACCN:	NM_001039348
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_001039348.1 , NP_001034437.1
RefSeq Size:	2741 bp
RefSeq ORF:	1482 bp
Locus ID:	2202
UniProt ID:	Q12805
Cytogenetics:	2p16.1
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a member of the fibulin family of extracellular matrix glycoproteins. Like all members of this family, the encoded protein contains tandemly repeated epidermal growth factor-like repeats followed by a C-terminus fibulin-type domain. This gene is upregulated in malignant gliomas and may play a role in the aggressive nature of these tumors. Mutations in this gene are associated with Doyme honeycomb retinal dystrophy. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Nov 2009]

Transcript Variant: This variant (2) represents the longer transcript. Variants 2 and 3 encode the same protein.