

## Product datasheet for **SC322269**

### EFEMP2 (NM\_016938) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EFEMP2 (NM_016938) Human Untagged Clone
Tag:	Tag Free
Symbol:	EFEMP2
Synonyms:	ARCL1B; FBLN4; MBP1; UPH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322269  
 GCCGCGCTCCAGGGAGCTGTGCCGTCCGCCCGTCCGTCTGCCCGCAGGCATTGCCCAAG  
 CCAGCCGAGCCGCCAGAGCCGCGGGCCGCGGGGTGTGCGGGGCCAACCCAGGATGCT  
 CCCCTGCGCTCCTGCCTACCCGGTCTCTACTGCTCTGGGCGTGTACTGTTGCTCTT  
 GGGATCAGTTTCTCCTCAGGATTCTGAAGAGCCCGACAGCTACACGGAATGCACAGATGG  
 CTATGAGTGGGACCCAGACAGCCAGCACTGCCGGGATGTCAACGAGTGTCTGACCATCCC  
 TGAGCCCTGCAAGGGGAAATGAAGTGCATCAACCACTACGGGGGCTACTTGTGCCTGCC  
 CCGCTCCGCTGCCGTATCAACGACCTACACGGGAGGGACCCCGCCACCAAGTGCCTCC  
 CGCTCAACACCCCAACCCCTGCCACCAGGCTATGAGCCCGACGATCAGGACAGCTGTGT  
 GGATGTGGACGAGTGTGCCAGGCCCTGCACGACTGTGCCCCAGCCAGGACTGCCATAA  
 CTTGCCTGGCTCCTATCAGTGCACCTGCCCTGATGGTTACCGCAAGATCGGGCCGAGTG  
 TGTGGACATAGACGAGTGCCGCTACCGCTACTGCCAGCACCGCTGCGTGAACCTGCCTGG  
 CTCCTTCCGCTGCCAGTGCAGCCGGGCTTCCAGCTGGGGCTAACACCCGCTCCTGTGT  
 TGATGTGAACGAGTGTGACATGGGGGCCCATGCGAGCAGCGCTGCTTCAACTCCTATGG  
 GACCTTCTGTGTGCTGCCACCAGGGCTATGAGCTGCATCGGGATGGCTTCTCCTGCAG  
 TGATATTGATGAGTGTAGCTACTCCAGCTACCTCTGTGCTAGTACCGCTGCTCAACGAGCC  
 AGGCCGTTTCTCCTGCCACTGCCACAGGGTTACCAGCTGCTGGCCACACGCCTCTGCCA  
 AGACATTGATGAGTGTGAGTCTGGTGCGCACCAAGTGTCCGAGGCCAAACCTGTGTCAA  
 CTTCCATGGGGGTACCCTGCGTGGACACCAACCGCTGCGTGGAGCCCTACATCCAGGT  
 CTCTGAGAACCGTGTCTCTGCCCGCCTCCAACCCTCTATGTGAGAGCAGCCTTCATC  
 CATTGTGCACCGCTACATGACCATCACCTCGGAGCGGAGCGTCCCGCTGACGTGTTCCA  
 GATCCAGGCGACCTCCGTCTACCCCGTGCCTACAATGCCTTTCAGATCCGTGCTGGAAA  
 CTCGCAGGGGGACTTTTACATTAGGCAAATCAACAACGTCAGCGCCATGCTGGTCTCCTGC  
 CCGGCCGCTGACGGGCCCCCGGGAGTACGTGCTGGACTGGAGATGGTCAACATGAATTC  
 CCTCATGAGCTACCGGGCCAGCTCTGACTGAGGCTCACCGTCTTTGTAGGGCCTACAC  
 CTTCTGAGGAGCAGGAGGGAGCCACCCTCCCTGCAGCTACCCTAGCTGAGGAGCCTGTTG  
 TGAGGGGCAGAATGAGAAAGGCAATAAAGGGAGAAAGAAAAAAAAAAAAAAAAAAAAAAAA  
 A

- Restriction Sites:** Please inquire
- ACCN:** NM\_016938
- 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).
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016938.2</a> , <a href="#">NP_058634.2</a>
<b>RefSeq Size:</b>	1939 bp
<b>RefSeq ORF:</b>	1332 bp
<b>Locus ID:</b>	30008
<b>UniProt ID:</b>	<a href="#">O95967</a>
<b>Cytogenetics:</b>	11q13.1
<b>Domains:</b>	EGF_CA, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	<p>A large number of extracellular matrix proteins have been found to contain variations of the epidermal growth factor (EGF) domain and have been implicated in functions as diverse as blood coagulation, activation of complement and determination of cell fate during development. The protein encoded by this gene contains four EGF2 domains and six calcium-binding EGF2 domains. This gene is necessary for elastic fiber formation and connective tissue development. Defects in this gene are cause of an autosomal recessive cutis laxa syndrome. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>