

# Recombinant Mouse EFEMP1 Protein (18-493 aa), His-tagged

**Cat. No.** EFEMP1-2166M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse EFEMP1 Protein (18-493 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 18-493 aa                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Binds EGFR, the EGF receptor, inducing EGFR autophosphorylation and the activation of downstream signaling pathways. May play a role in cell adhesion and migration. May function as a negative regulator of chondrocyte differentiation. In the olfactory epithelium, it may regulate glial cell migration, differentiation and the ability of glial cells to support neuronal neurite outgrowth. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 55.0 kDa                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | QYTEETITYTQCTDGYEWDPIRQQCKDIDECDIVPDACKGGMKCVNHYGGYLCLPK<br>TAQIIVNNEHPQQETPAAEASSGATTGTVAARSMATSGVVPGGGFMASATAVAGPE<br>VQTGRNNFVIRRNPPADPQRIPSNPSHRIQCAAGYEQSEHNVCQDIDECTSGTHNCR<br>TDQVCINLRGSFTCQCLPGYQKRGEQCVDIDECTVPPYCHQRCVNTPGSFYCQCS<br>PGFQLAANNYTCVDINECDASNQCAQQCYNILGSFICQCNQGYELSSDRLNCEDIDE                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CRTSSYLCQYQCVNEPGKFSCMCPQGYEVVRSRTCQDINECETTNECREDEMCW  
 NYHGGFRCYPRNPCQDHYVLTSENRCVCPVSNTMCRELPQSIVYKYMSIRSDRSVP  
 SDIFIQATMIYANTINTFRIKSGNENGFEYLRQTSPVSAMLVLVKSLSGPREYIVDLE  
 MLTVSSIGTFRTSSVLRLTIIVGPFSE

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** Efemp1 epidermal growth factor-containing fibulin-like extracellular matrix protein 1 [ *Mus musculus* ]

**Official Symbol** EFEMP1

**Synonyms** EFEMP1; FIBL-3; fibulin-3; MGC37612;

**Gene ID** 216616

**mRNA Refseq** NM\_146015

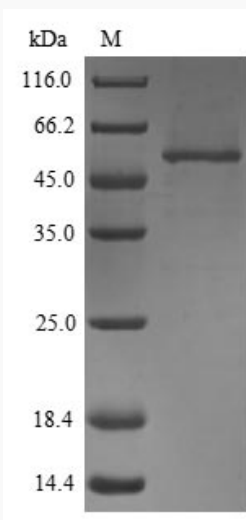
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**Protein Refseq** NP\_666127

**UniProt ID** Q8BPB5



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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