

Recombinant Human EFEMP1

Cat. No. EFEMP1-27780TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human EFEMP1 with N terminal proprietary tag, 79.97kDa.
Species	Human
Source	Wheat Germ
ProteinLength	493 amino acids
Description	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.
Molecular Weight	79.970kDa inclusive of tags
Tissue specificity	In the eye, associated with photoreceptor outer and inner segment regions, the nerve fiber layer, outer nuclear layer and inner and outer plexiform layers of the retina.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MLKALFLTMLTLALVKSQDTEETITYTQCTDGYEWDVPVGQ QCKDIDECDIVPDACKG GMKCVNHYGGYLCLPKTAQIIVN NEQPQQETQPAEGTSGATTGVVAASSMATSGV LPGGGFVA SAAAVAGPEMQTGRNNFVIRRN PADPQRIPSNPSHRIQCA AGYEQSE HNVCQDIDECTAGTHNCRADQVCINLRGSFACQ CPPGYQKRGEQCVDIDECTIPPY CHQRCVNTPGSFYCQCS PGFQLAANNYTCVDINECDASNQCAQQCYNILGSFICQ CN QGYELSSDRLNCEIDIDECRTSSYLCQYQCVNEPGKFSCMC PQGYQVVRRTC QDINECETTNECREDEMCWNYHGGFRCY PRNPCQDPYILTPENRCVCPVSNAMC REL PQSIVYKYMSI RSDRSVPSDIFQIQATTIYANTINTFRIKSGSENGEFYLR QTSPV SAMLVLVKSLSGPREHIVDLEMLTASSIGTFRTSS VLRLTIIVGPFSS
Sequence Similarities	Belongs to the fibulin family.Contains 6 EGF-like domains.
GENE INFORMATION	
Gene Name	EFEMP1 EGF containing fibulin-like extracellular matrix protein 1 [Homo sapiens]
Official Symbol	EFEMP1
Synonyms	EFEMP1; EGF containing fibulin-like extracellular matrix protein 1; DHRD, EGF containing fibulin like extracellular matrix protein 1 , FBNL, fibrillin like; EGF-containing fibulin-like extracellular matrix protein 1; FBLN3; fibulin 3; MTLV; S1 5;
Gene ID	2202
mRNA Refseq	NM_001039348

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Protein Refseq	NP_001034437
MIM	601548
Uniprot ID	Q12805
Chromosome Location	2p16
Function	calcium ion binding; epidermal growth factor receptor binding; epidermal growth factor-activated receptor activity; growth factor activity; protein binding;

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