abcam

Product datasheet

Recombinant Human EFEMP1/Fibulin-3 protein ab114651

1 Image

Description

Product name	Recombinant Human EFEMP1/Fibulin-3 protein
Expression system	Wheat germ
Accession	Q12805
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MLKALFLTMLTLALVKSQDTEETITYTQCTDGYEWDPVGQ QCKDIDECDI VPDACKGGMKCVNHYGGYLCLPKTAQIIVNNEQPQQETQ PAEGTSGATTG VVAASSMATSGVLPGGGFVASAAAVAGPEMQTGRNNFVI RRNPADPQRIP SNPSHRIQCAAGYEQSEHNVCQDIDECTAGTHNCRADQV CINLRGSFACQ CPPGYQKRGEQCVDIDECTIPPYCHQRCVNTPGSFYCQC SPGFQLAANNY TCVDINECDASNQCAQQCYNILGSFICQCNQGYELSSDRL NCEDIDECRT SSYLCQYQCVNEPGKFSCMCPQGYQVVRSRTCQDINEC ETTNECREDEMC WNYHGGFRCYPRNPCQDPYILTPENRCVCPVSNAMCREL PQSIVYKYMSI RSDRSVPSDIFQIQATTIYANTINTFRIKSGSENGEFYLRQTS PVSAMLV LVKSLSGPREHIVDLEMLTASSIGTFRTSSVLRLTIIVGPFSF
Predicted molecular weight	80 kDa including tags
Amino acids	1 to 493

Specifications

Our **Abpromise guarantee** covers the use of **ab114651** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	This product was previously labelled as EFEMP1.

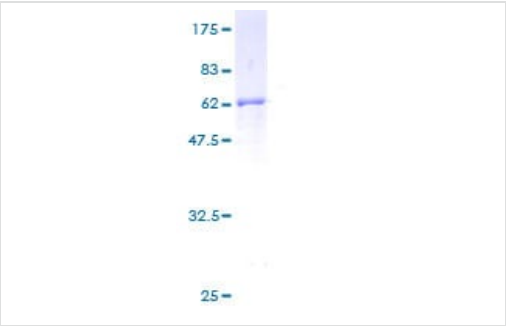
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	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.
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.
Involvement in disease	Defects in EFEMP1 are a cause of Doyne honeycomb retinal dystrophy (DHRD) [MIM:126600]; also known as malattia leventinese (MLVT) (ML). DHRD is an autosomal dominant disease characterized by yellow-white deposits known as drusen that accumulate beneath the retinal pigment epithelium.
Sequence similarities	Belongs to the fibulin family. Contains 6 EGF-like domains.
Cellular localization	Secreted > extracellular space. Secreted > extracellular space > extracellular matrix. Localizes to the lamina propria underneath the olfactory epithelium.

Images



SDS-PAGE - Recombinant Human EFEMP1/Fibulin-3 protein (ab114651)

12.5% SDS-PAGE showing ab114651 at approximately 79.97kDa stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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