

Fibulin-3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77921
Synonyms:	EFEMP1; FBLN3; FBNL; DHRD; FBNLFLJ35535; FIBL-3; fibrillin-like; Fibulin 3; MGC111353; MLVT; MTLV; S1-5
Species:	Mouse
Source:	HEK293
Accession:	Q8BPP5 (Q18-F493)
Gene ID:	216616
Molecular Weight:	60-80 kDa

PROPERTIES

AA Sequence	<pre> QYTEETITYT QCTDGYEWD P IRQQCKDIDE CDIVPDACKG GMKCVNHYGG YLCLPKTAQI IVNNEHPQQE TPAAEAASSGA TTGTVAARSM ATSGVVPGGG FMASATAVAG PEVQTGRNNF VIRRNPADPQ RIPSNPSHRI QCAAGYEQSE HNVQCQDIDEC TSGTHNCRTD QVCINLRGSF TCQCLPGYQK RGEQCVDIDE CTVPPYCHQR CVNTPGSFYC QCSPGFQLAA NNYTCVDINE CDASNQCAQQ CYNILGSFIC QCNQGYELSS DRLNCEDIDE CRTSSYL CQY QCVNEPGKFS CMCPQGYEVV RSRTCQDINE CETTNECRED EMCWNYHGGF RCYPRNPCQD HYVLTSENRC VCPVSN TMCR ELPQSI VYKY MSIRSDRSVP SDIFQIQATM IYANTINTFR IKSGNENGEF YLRQTSPVSA MLVLVKSLSG PREYIVDLEM LTVSSIGTFR TSSVLRRTII VGPFSF </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The Fibulin-3 Protein exhibits a multifaceted role by binding to EGFR, the EGF receptor, leading to EGFR autophosphorylation and the subsequent activation of downstream signaling pathways. This interaction suggests its involvement in crucial cellular processes such as cell adhesion and migration. Additionally, Fibulin-3 may function as a negative regulator of chondrocyte differentiation and, in the olfactory epithelium, potentially regulates glial cell migration, differentiation, and the ability of glial cells to support neuronal neurite outgrowth. Furthermore, it interacts with ECM1 and TIMP3, indicating its participation in intricate molecular networks that contribute to various cellular functions.

Caution: Product has not been fully validated for medical applications. For research use only.

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