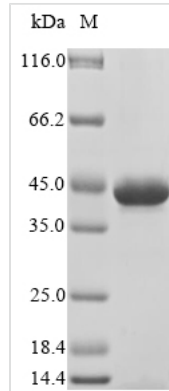




Recombinant Human Filamin-A (FLNA), partial

Product Code	CSB-EP008724HU
Abbreviation	Recombinant Human FLNA protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P21333
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	SSSHSRAGQSAAGAAPGGGVDTTRDAEMPATEKDLAEDAPWKKIQQNTFTRW CNEHLKCVSKRIANLQTDLSGLRLIALLEVLSQKKMHRKHNRPTFRQMQL NVSVALEFLDRESIKLVSIDSKAIVDGNLKLILGLIWTILHYSISMPMWDEEED EAKKQTPKQRLLGWIQNKLPQLPITNFSRDWQSGRALGALVDSCAPGLCPDW DSWDASKPVTNAREAMQQADDWLGPQVITPEEIVDPNVDEHSVMTYLSQFP KAKLKPGAP
Research Area	Signal Transduction
Source	E.coli
Target Names	FLNA
Protein Names	Recommended name: Filamin-A Short name= FLN-A Alternative name(s): Actin-binding protein 280 Short name= ABP-280 Alpha-filamin Endothelial actin-binding protein Filamin-1 Non-muscle filamin
Expression Region	2-274aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	38.0 kDa
Protein Length	Partial
Image	



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

Description

Amino acids 2-274 constitute the expression domain of recombinant Human FLNA. This FLNA protein is theoretically predicted to have a molecular weight of 38.0 kDa. This protein is generated in a e.coli-based system. The FLNA gene fragment has been modified by fusing the N-terminal 10xHis tag and C-terminal Myc tag, providing convenience in detecting and purifying the recombinant FLNA protein during the following stages.

Filamin-A (FLNA) is a large actin-binding protein that plays a crucial role in the organization and maintenance of the actin cytoskeleton. It functions as a scaffold, linking cell membrane receptors to the actin network, and contributing to cell adhesion, migration, and signaling. FLNA is involved in various cellular processes, including embryonic development, tissue morphogenesis, and response to mechanical stimuli. Mutations in FLNA are associated with a spectrum of genetic disorders known as filaminopathies, characterized by skeletal abnormalities, cardiovascular defects, and neurological impairments. Additionally, FLNA has been implicated in cancer progression, where its dysregulation influences cell motility and invasion.

Shelf Life

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