

Filamin-A Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	FLNA;Endothelial actin-binding protein;Non-muscle filamin;Alpha-filamin;Actin-binding protein 280 (ABP-280);Filamin-1;FLN1;FLN-A;FLN;Filamin-A
Protein Construction:	2-274 aa
Species:	Human
Expression Host:	E. coli
Accession:	P21333
Molecular Weight:	38.0 kDa (predicted)
AA Sequence:	SSSHSRAGQSAAGAAPGGGVDRDAEMPATEKDLAEDAPWKKIQNTFTRWCNEHLKCVSKRIANLQTDLS DGLRLIALLEVLVSQKKMHRKHNRPTFRQMQLENVSVALEFLDRESIKLVSIDSKAIVDGNLKLILGLIWTLLHY SISMPMWDEEEDEEAKKQTPKQRLGWIQNKLPQLPITNFSRDWQSGRALGALVDSCAPGLCPDWDSWDA SKPVTNAREAMQQADDWLGIPQVITPEEIVDPNVDEHSVMTYLSQFPKAKLKPAP

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Promotes orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton and serves as a scaffold for a wide range of cytoplasmic signaling proteins. Interaction with FLNB may allow neuroblast migration from the ventricular zone into the

cortical plate. Tethers cell surface-localized furin, modulates its rate of internalization and directs its intracellular trafficking. Involved in ciliogenesis. Plays a role in cell-cell contacts and adherens junctions during the development of blood vessels, heart and brain organs. Plays a role in platelets morphology through interaction with SYK that regulates ITAM- and ITAM-like-containing receptor signaling, resulting in by platelet cytoskeleton organization maintenance. During the axon guidance process, required for growth cone collapse induced by SEMA3A-mediated stimulation of neurons.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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