

Recombinant Human FLNA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FLNA-5086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FLNA MS Standard C13 and N15-labeled recombinant protein (NP_001104026) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	280.6 kDa
AA Sequence	MSSSHSRAGQSAAGAAPGGGVDRDAEMPATEKDLAEDAPWKKIQQNTFTRWCN EHLKCVSKRIANLQTDLSGLRLIALLEVLVSQKKMHRKHNQRPTFRQMQLENVSVL EFLDRESIKLVSIDSKAIVDGNLKLILGLIWTLILHYSISMPMWDEEEDDEEAKKQTPKQ RLLGWIQNKLPQLPITNFSRDWQSGRALGALVDSCAPGLCPDWDSWDASKPVTNA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



REAMQQADDWLGIPQVITPEEIVDPNVDEHSVMTYLSQFPKAKLKPGAPLRPKLNPK
KARAYGPGIEPTGNMVKKRAEFTVETRSAGQQEVLVYVEDPAGHQEEAKVTANND
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TCTVCTPDGSEVDVDVVENEDGTFDIFYTAPQPGKYVICVRFGEHVPNSPFQVTAL
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SPLQFYVDYVNCGHVTAYGPGLTHGVVKNPATFTVNTKDAGEGGLSLAIEGPSKAEI

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SCTDNQDGTCSVSYLPVLPGDYSILVKYNEQHVPGSPFTARVTGDDSMRMSHLKV
 GSAADIPINISETDLSELLTATVPPSGREEPCLLKRLRNGHVGISFVPKETGEHLVHVK
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 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.


GENE INFORMATION

Gene Name FLNA filamin A [Homo sapiens (human)]

Official Symbol FLNA

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Synonyms FLNA; filamin A, alpha; filamin A, alpha (actin binding protein 280), FLN, FLN1, OPD1, OPD2; filamin-A; ABP 280; actin binding protein 280; filamin-1; alpha-filamin; non-muscle filamin; endothelial actin-binding protein; FLN; FMD; MNS; OPD; ABPX; CVD1; FLN1; NHBP; OPD1; OPD2; XLVD; XMVD; FLN-A; ABP-280; FLJ43642; DKFZp434P031;

Gene ID [2316](#)

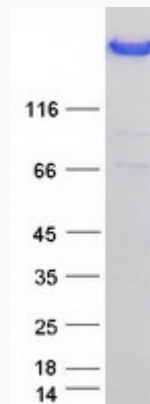
mRNA Refseq [NM_001110556](#)

Protein Refseq [NP_001104026](#)

MIM [300017](#)


UniProt ID [P21333](#)

SDS-PAGE



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