Recombinant Human FLNA protein, MYC/DDK-tagged

Cat. No. FLNA-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLNA, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	280.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	FLNA filamin A, alpha [Homo sapiens]
Official Symbol	FLNA
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
Chromosome Location	Xq28
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

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Function	Fc-gamma receptor I complex binding; Rac GTPase binding; Ral GTPase binding; Rho GTPase binding; actin binding; actin filament binding; glycoprotein binding; protein binding; protein homodimerization activity; protein kinase C binding; signal transducer activity; small GTPase binding; transcription factor binding;

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