

Product datasheet for **PH326488**

Filamin A (FLNA) (NM_001110556) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FLNA MS Standard C13 and N15-labeled recombinant protein (NP_001104026)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226488
Predicted MW:	280.6 kDa



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Protein Sequence: >RC226488 representing NM_001110556
 Red=Cloning site Green=Tags(s)

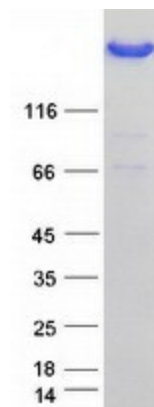
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration: >0.05 µg/µL as determined by microplate BCA method
Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001104026
RefSeq ORF:	7941
Synonyms:	ABP-280; ABPX; CSBS; CVD1; FGS2; FLN; FLN-A; FLN1; FMD; MNS; NHBP; OPD; OPD1; OPD2; XLVD; XMVD
Locus ID:	2316
UniProt ID:	P21333 , Q60FE5 , Q6NXF2
Cytogenetics:	Xq28
Summary:	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.[provided by RefSeq, Mar 2009]
Protein Pathways:	Focal adhesion, MAPK signaling pathway

Product images:



Coomassie blue staining of purified FLNA protein (Cat# [TP326488]). The protein was produced from HEK293T cells transfected with FLNA cDNA clone (Cat# [RC226488]) using MegaTran 2.0 (Cat# [TT210002]).