

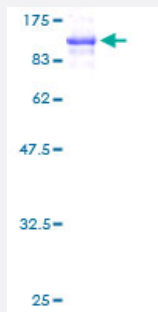
Full-Length

FLNA (Human) Recombinant Protein (P01)

Catalog # H00002316-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human FLNA full-length ORF (AAH14654, 1 a.a. - 838 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPSGKVAQPTITDNKDGTVTTRYAPSEAGLHEMDIRYDNMHIPGSPLQFYVDYVNCGHVTAYGPG
LTHGVVNKPATFTVNTKDAGEGGLSLAIEGPSKAEISCTDNQDGTCSVSYLPVLPDYSILVKYNE
QHVPGPSFTARVTGDDSMRMSHLKVGSAADIPINISSETDLSLLTATVPPSGREEPCLLKRLRNGH
VGISFVPKETGEHLVHVKKNGQHVASSPIPVVISQSEIGDASRVVSGQGLHEGHTFEPAEFIIDTR
DAGYGGLSLSIEGPSKVDINTEDLEDGTCRVTYCPTPEGNYIINIKFADQHVPGPSFVSVKVTGEGRV
KESITRRRRAPSVANVGSHCDLSLKIPEISIQDMTAQVTSPSGKTHEAEIVEGENHTYCIRFVPAEM
GHTVSVKYKGQHVPGSPFQFTVGPLGEGGAHKVRAGGPGLERAEAGVPAEFVSMTREAGAGG
LAAVEGPSKAEISFEDRKDGSCGVAYVQEPGDYEVSVKFNEEHIPDSPFVVPVSPSGDARRL
TVSSLQESGLKVNQPASFAVSLNGAKGAIDAKVHSPSGALEECYVTEIDQDKYAVRFIPRENGVYL
IDVKFNGTHIPGSPFKIRVGEPGHGGDPGLVSAYGAGLEGGVTGNPAEFVNTSNAGAGALSVTID
GPSKVKMDCQCEPEGYRVTYTPMAPGSYLISKYGGPYHIGGSPFKAKVTGPRLVSNHSLHETSS
VFVDSLTKATCAPQHGAPGPGPADASKVVAKGLGLSKAYVGQKSSFTVDCSKAGNMLLVGVH
GPRTPCEEILVKHVGSRLYSVSYLLKDKGEYTLVVKWGDEHIPGSPYRVVVP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

117.92

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FLNA

Entrez GeneID	2316
GeneBank Accession#	BC014654
Protein Accession#	AAH14654
Gene Name	FLNA
Gene Alias	ABP-280, ABPX, DKFZp434P031, FLN, FLN1, FMD, MNS, NHBP, OPD, OPD1, OPD2
Gene Description	filamin A, alpha (actin binding protein 280)
Omim ID	300017 300049 300537 304120 309350 311300
Gene Ontology	Hyperlink

Gene 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
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Other Designations

OTTHUMP00000024320|actin-binding protein 280|filamin 1|filamin A, alpha

Pathway

- [Focal adhesion](#)
- [MAPK signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)