Recombinant Human FLNA, GST-tagged

Cat. No. FLNA-289H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLNA(1 a.a. - 838 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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	117.92 kDa
AA Sequence	MPSGKVAQPTITDNKDGTVTVRYAPSEAGLHEMDIRYDNMHIPGSPLQFYVDYVNC GHVTAYGPGLTHGVVNKPA TFTVNTKDAGEGGLSLAIEGPSKAEISCTDNQDGTCS VSYLPVLPGDYSILVKYNEQHVPGSPFTARVTGDDSMR MSHLKVGSAADIPINISET DLSLLTATVVPPSGREEPCLLKRLRNGHVGISFVPKETGEHLVHVKKNGQHVASSP I PVVISQSEIGDASRVRVSGQGLHEGHTFEPAEFIIDTRDAGYGGLSLSIEGPSKVDIN

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	TEDLEDGTCRVTYCPT EPGNYIINIKFADQHVPGSPFSVKVTGEGRVKESITRRRRA PSVANVGSHCDLSLKIPEISIQDMTAQVTSPSGK THEAEIVEGENHTYCIRFVPAEM GTHTVSVKYKGQHVPGSPFQFTVGPLGEGGAHKVRAGGPGLERAEAGVPAEF SIW TREAGAGGLAIAVEGPSKAEISFEDRKDGSCGVAYVVQEPGDYEVSVKFNEEHIPDS PFVVPVASPSGDARR LTVSSLQESGLKVNQPASFAVSLNGAKGAIDAKVHSPSGAL EECYVTEIDQDKYAVRFIPRENGVYLIDVKFNGT HIPGSPFKIRVGEPGHGGDPGLV SAYGAGLEGGVTGNPAEFVVNTSNAGAGALSVTIDGPSKVKMDCQECPEGYR VTY TPMAPGSYLISIKYGGPYHIGGSPFKAKVTGPRLVSNHSLHETSSVFVDSLTKATCAP QHGAPGPGPADASK VVAKGLGLSKAYVGQKSSFTVDCSKAGNNMLLVGVHGPRT PCEEILVKHVGSRLYSVSYLLKDKGEYTLVVKWGD EHIPGSPYRVVVP
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FLNA filamin A, alpha [Homo sapiens]
Official Symbol	FLNA
Synonyms	FLNA; filamin A, alpha; FLN; FMD; MNS; OPD; ABPX; CSBS; CVD1; FLN1; NHBP; OPD1; OPD2; XLVD; XMVD; FLN-A; ABP-280; filamin-A; filamin-1; alpha-filamin; non-muscle filamin; actin binding protein 280; endothelial actin-binding protein
Gene ID	2316
mRNA Refseq	NM_001456

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Protein Refseq	NP_001447
MIM	300017
UniProt ID	P21333
Chromosome Location	Xq28
Pathway	Androgen receptor signaling pathway; Cell junction organization; Cell-Cell communication
Function	Fc-gamma receptor I complex binding; Rac GTPase binding; Ral GTPase binding

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