

## Recombinant Human FLNA, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FLNA(1 a.a. - 838 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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.
<b>Molecular Mass</b>	117.92 kDa
<b>AA Sequence</b>	MPSGKVAQPTITDNKDGTVTVRYAPSEAGLHEMDIRYDNMHIPGSPLQFYVDYVNC GHVTAYGPGPLTHGVVNKPA TFTVNTKDAGEGGLSLAIEGPSKAEISCTDNQDGTCS VSYLPVLPGDYSILVKYNEQHVPGPSFTARVTGDDSMR MSHLKVGSAADIPINIS DLSLLTATVPPSGREEPCLLKRLRNGHVGISFVPKETGEHLVHVKKNGQHVASSP I PVVISQSEIGDASRVRVSGQGLHEGHTFEPAEFIIDTRDAGYGGLSLSIEGPSKVDIN

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

TEDLEDGTCRVTYCPT EPGNYIINIKFADQHVPGPSFVSVKVTGEGRVKESITRRRRA  
 PSVANVGSHCDLSLKIPEISIQDMTAQVTSPSGK THEAEIVEGENHTYCIRFVPAEM  
 GTHTVSVKYKGQHVPGPSFQFTVGPLGEGGAHKVRAGGPGLERAEAGVPAEF SIW  
 TREAGAGGLAIAVEGPSKAEISFEDRKDGCSCGVAYVVQEPGDYEVSVKFNEEHIPDS  
 PFVVPVASPSGDARR LTVSSLQESGLKVNQPASFAVSLNGAKGAIKAVHSPSGAL  
 EECYVTEIDQDKYAVRFIPRENGVYLIDVKFNGT HIPGSPFKIRVGEVGHGGDPGLV  
 SAYGAGLEGGVTGNPAEFVNTSNAGAGALSVTIDGPSKVKMDCQECPEGYR 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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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