

F-box/LRR-repeat protein 2 Recombinant Protein | FBXL2 recombinant protein

Recombinant Human F-box/LRR-repeat protein 2

CATALOG # AAA117085	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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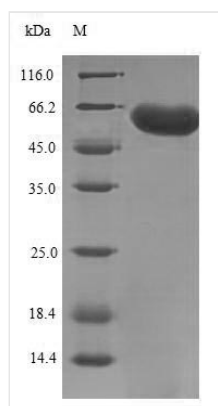
PRODUCT SYNONYMS

F-box/LRR-repeat protein 2; Recombinant Human F-box/LRR-repeat protein 2; FBXL2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-423aa; Full Length
Sequence	MVFSNNDEGL INKKLPKELL LRIFSFLDIV TLCRCAQISK AWNILALDGS NWQRIDLFNF QTDVEGRVVE NISKRCGGFL RKLSLRGCIG VGDSSLKTFA QNCRNIEHLN LNGCTKITDS TCYSLSRFCS KKHLDLTSC VSITNSSLKG ISEGCRNLEY LNLSWCDQIT KDGIEALVRG CRGLKALLR GCTQLEDEAL KHIQNYCHEL VSLNLQSCSR ITDEGVVQIC RGCHRLQALC LSGCSNLTDAL SLTALGLNCP RLQILEAARC SHLTDAAGFTL LARNCHELEK MDLEECILIT DSTLIQLSIH CPKLQALSLS HCELITDDGI LHLSNSTCGH ERLRVLELDN CLLITDVALE HLENCRGLER LELYDCQQVT RAGIKRMRAQ LPHVKVHAYF APVTPPTAVA GSGQRLCRCC VIL
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FBXL2 recombinant protein	Calcium-activated substrate recognition component of the SCF (SKP1-cullin-F-box protein) E3 ubiquitin-protein ligase complex, SCF(FBXL2), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Unlike many F-box proteins, FBXL2 does not seem to target phosphodegron within its substrates but rather calmodulin-binding motifs and is thereby antagonized by calmodulin. This is the case for the cyclins CCND2 and CCND3 which polyubiquitination and subsequent degradation are inhibited by calmodulin. Through CCND2 and CCND3 degradation induces cell-cycle arrest in G0 (PubMed:22020328, PubMed:22323446). SCF(FBXL2) also mediates PIK3R2 ubiquitination and proteasomal degradation thereby regulating phosphatidylinositol 3-kinase signaling and autophagy (PubMed:23604317). PCYT1A monoubiquitination by SCF(FBXL2) and subsequent degradation regulates synthesis of phosphatidylcholine, which is utilized for formation of membranes and of pulmonary surfactant (By similarity).
Product Categories/Family for FBXL2 recombinant protein	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	284447314
NCBI GeneID	25827
NCBI Accession #	NP_001165184.1
NCBI GenBank Nucleotide #	NM_001171713.1
UniProt Accession #	Q9UKC9; Q6IAN3; Q9NVQ8; Q9UK27; Q9UKA5; Q9Y3Y9; B4DQV0; E9PD06
Molecular Weight	49.1 kDa
NCBI Official Full Name	F-box/LRR-repeat protein 2 isoform 2
NCBI Official Synonym Full Names	F-box and leucine-rich repeat protein 2
NCBI Official Symbol	FBXL2
NCBI Official Synonym Symbols	FBL2; FBL3
NCBI Protein Information	F-box/LRR-repeat protein 2
UniProt Protein Name	F-box/LRR-repeat protein 2
UniProt Gene Name	FBXL2
UniProt Entry Name	FBXL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fbxl2-recombinant-protein-e-coli/117085>