

Datasheet for ABIN7547856
FBXL19 Protein (AA 1-694) (His tag)



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Overview

Quantity:	1 mg
Target:	FBXL19
Protein Characteristics:	AA 1-694
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXL19 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FBXL19 Protein expressed in mammalian cells.
Sequence:	MGMKVPKGKE SGPSALLTPP MSSSSRGPGA GARRRTRCR RCACVRTEC GDCHFCDMK KFGGPGRMKQ SCLLRQCTAP VLPHTAVCLL CGEAGKEDTV EEEEEKFLS LMECTICNEI VHPGCLKMGK AEGVINAIEP NCWECPRCTQ EGRTSKDSGE GPGRRRADNG EEGASLGSGW KLTEEPPLPP PPPRRKGPLP AGPPPEDVPG PPKRKEREAG NEPTPRKKV KGGREHLLK VGGDAALLRG SDPGGPGLLP PRVLNPSQAF SSCHPGLPPE NWEKPKPLA SAEGPAVPS SPQREKLERF KRMCQLLERV PDTSSSSSDS DSDSDSSGTS LSEDEAPGEA RNGRRPARG SGEKENRGGR RAVRPGSGGP LLSWPLGPAP PPRPPQLERH VVRPPRSPE PDTLPLAAGS DHPLPRAAWL RVFQHLGPRE LCICMRVCR TWSRWCYDKRL WPRMDLSRRK SLTPPMLSGV VRRQPRALDL SWTGVSQKQL MWLLNRLQGL QELVLSGCSW LSVSALGSAP LPALRLDLR WIEDVKDSL RELLPPPD KPGQTESRGR LQGVAELRLA GLELTDASLR LLLRHAPQLS ALDLSHCAHV GDPSVHLLTA PTSPLRETLV HLNLAGCHRL TDHCLPLFRR CPRLRLDLR SCRQLSPEAC ARLAAAGPPG PFRCPPEKLL LKDS Sequence without tag. The proposed

Product Details

Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: FBXL19

Alternative Name: FBXL19 ([FBXL19 Products](#))

Background: F-box/LRR-repeat protein 19 (F-box and leucine-rich repeat protein 19),FUNCTION: Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex that plays a role in different processes including cell migration, cell proliferation or cytoskeletal reorganization (PubMed:24684802, PubMed:29522376). Mediates RHOA ubiquitination and degradation in a ERK2-dependent manner (PubMed:23871831). Induces RAC1 and RAC3 degradation by the proteasome system and thereby regulates TGFB1-induced E-cadherin down-regulation and cell migration (PubMed:24684802, PubMed:23512198). Mediates also ubiquitination and degradation of IL-33-induced receptor IL1RL1 and subsequently blocks IL-33-

Target Details

mediated apoptosis (By similarity). Within the nucleus, binds to DNA containing unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides (PubMed:29276034). Recruits CDK-mediator to chromatin and targets CDK8 to promoters of silent developmental genes leading to induction of these genes during cell differentiation. In addition, plays a critical role in the recruitment of RNF20 to histone H2B leading to H2B mono-ubiquitination (By similarity).

{ECO:0000250|UniProtKB:Q6PB97, ECO:0000269|PubMed:23512198, ECO:0000269|PubMed:23871831, ECO:0000269|PubMed:24684802, ECO:0000269|PubMed:29276034, ECO:0000269|PubMed:29522376}.

Molecular Weight: 75.7 kDa

UniProt: [Q6PCT2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months