

Datasheet for ABIN3123679

FBXL19 Protein (AA 1-674) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	FBXL19
Protein Characteristics:	AA 1-674
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXL19 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p> MSSSSRGPGA GARRRRTRCR RCRACVRTEC GDCHFCDMK KFGGPGRMKQ SCLLRQCTAP VLPHTAVCLL CGEAGKEDTV EGEDEKFSLS LMECTICNEI VHPGCLKMGK AEGVINSEIP NCWECPRCTQ EGRTSKDAGE GPGRRRADNG EEGANLGGGW KLTEPPPPP PLPRRKGPLP AGTPDDVPG PPKRKEREGG NEPTPRKKV KGRERHLKK VGGDACLLRG ADPGSPGLLP PRVLNPSQAF SSCHPGLPPE NWEKPKPIA SAEGPAVPSP SPQREKLERF KRMCQLLERV PDTSSSSSDS DSDSDSSGTS LSEDEAPGEA RNGRRPARGS SGEEKENRGGR RAIRPGTGGP LLSWPLGPAP PPRPPQLERH VVRPPPSPE PDTLPLAAGS DHPLPRAAWL RVFQHLGPPE LCVCMRVCRT WSRWCYDKRL WPRMDLSRRK SLTPMLSGV VRRQPRALDL SWTGVSKKQL MWLLNRLQGL QELVLSGCSW LSVSALGSAP LPALRLDLR WIEDVKDSQL RELLPPPD KPGQTESRGR LQGVaelRLA GLELTDASLR LLLRHAPQLS ALDLSHCAHV GDPSVHLLTA PTSPLRETLV HLNLAGCHRL TDHCLPLFRR CPRLRRLDLR SCRQLSPEAC ARLAAAGPPG </p>

PFRCPEEKLL LKDS

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Product Details

Purity: > 70-80 % as determined by SDS PAGE, 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:28453857, PubMed:29809150). Mediates RHOA ubiquitination and degradation in a ERK2-dependent manner. Induces RAC1 and RAC3 degradation by the proteasome system and thereby regulates TGF β 1-induced E-cadherin down-regulation and cell migration. Mediates also ubiquitination and degradation of IL-33-induced receptor IL1RL1 and subsequently blocks IL-33-mediated apoptosis (PubMed:22660580). Within the nucleus, binds to DNA containing unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides (PubMed:28453857, PubMed:29809150). Recruits CDK-mediator to chromatin and targets CDK8 to promoters of silent developmental genes leading to induction of these genes during cell differentiation (PubMed:29809150). In addition, plays a critical role in the recruitment of RNF20 to histone H2B leading to H2B mono-ubiquitination (PubMed:28453857). {ECO:0000250|UniProtKB:Q6PCT2, ECO:0000269|PubMed:28453857, ECO:0000269|PubMed:29809150}.

Molecular Weight: 73.8 kDa

UniProt: [Q6PB97](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Application Details

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Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months