Datasheet for ABIN3130620

FBXL17 Protein (AA 1-701) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	FBXL17
Protein Characteristics:	AA 1-701
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXL17 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MGHLLSKEPR NRPSQKRPRC CSWCRRRRPL LRLPRRALAK ASPQPAAPRS RDCFFRGPCM LCFIVHSPGA PASAGLEEEP PLSPPPPPPR DGAYAAVSSQ HLARRYAALA AEDCAAAARR FLLSSAAAAA AAASSPASCC KELGLAAAAA WEQQGRSLFL AGVGPVRFLG PLAAVQLFRA PPAPPPQAEP ATALEMVCKR KGAGVPACTP CKQPRCGCGG CGGGGGGGGG PAGGGASPPR PPDAGCCQAP EQPPPPLCPA PASPASECAP IVAAAGDTVR AGGTAPSSAQ QQPESGDADC QEPPENPCDC HREPPPEIPD INQLPPSILL KIFSNLSLNE RCLSASLVCK YWRDLCLDFQ FWKQLDLSSR QQVTDELLEK IASRSQNIIE INISDCRSLS DSGVCVLAFK CPGLLRYTAY RCKQLSDTSI IAVASHCPLL QKVHVGNQDK LTDEGLKQLG SRCRELKDIH FGQCYKISDE GMIVIAKSCL KLQRIYMQEN KLVTDQSVKA FAEHCPELQY VGFMGCSVTS KGVIHLTKLR NLSSLDLRHI TELDNETVME IVKRCKNLSS LNLCLNWIIN DRCVEVIAKE GQNLKELYLV SCKITDYALI AIGRYSVTIE TVDVGWCKEI TDQGATLIAQ SSKSLRYLGL MRCDKVNELT

	VEQLVQQYPH ITFSTVLQDC KRTLERAYQM GWTPNMSAAT S **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:	FBXL17
Alternative Name:	Fbxl17 (FBXL17 Products)
Background:	F-box/LRR-repeat protein 17 (F-box and leucine-rich repeat protein 17) (F-box only protein 13),FUNCTION: Substrate-recognition component of the SCF(FBXL17) E3 ubiquitin ligase complex, a key component of a quality control pathway required to ensure functional dimerization of BTB domain-containing proteins (dimerization quality control, DQC). FBXL17 specifically recognizes and binds a conserved degron of non-consecutive residues present at the interface of BTB dimers of aberrant composition: aberrant BTB dimer are then ubiquitinated by the SCF(FBXL17) complex and degraded by the proteasome (By similarity). The ability of the SCF(FBXL17) complex to eliminate compromised BTB dimers is required for the differentiation and survival of neural crest and neuronal cells (By similarity). The SCF(FBXL17) complex mediates ubiquitination and degradation of BACH1 (By similarity). The SCF(FBXL17) complex is also involved in the regulation of the hedgehog/smoothened (Hh) signaling pathway by mediating the ubiquitination and degradation of SUFU, allowing the release of GLI1 from SUFU for proper Hh signal transduction (PubMed:27234298). The SCF(FBXL17) complex mediates ubiquitination and degradation of PRMT1 (PubMed:28883095). {ECO:0000250|UniProtKB:B1H1X1, ECO:0000250|UniProtKB:Q9UF56, ECO:0000269|PubMed:27234298, ECO:0000269|PubMed:28883095}.
Molecular Weight:	75.7 kDa
UniProt:	Q9QZN1

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.
Comment:	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.

Application Details

	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!
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