

Datasheet for ABIN3092569

FBXO10 Protein (AA 1-956) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	FBXO10
Protein Characteristics:	AA 1-956
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBXO10 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MEAGGLPLEL WRMILAYLHL PDLGRCSLVC RAWYELILSL DSTRWRQLCL GCTECRHPNW</p> <p>PNQPDVEPES WREAFKQHYL ASKTWTKNAL DLESSICFSL FRRRRERRTL SVGPGRFDS</p> <p>LGSALAMASL YDRIVLFPV YEEQGEILK VPVEIVGQ GK LGEVALLASI DQHCSTTRLC</p> <p>NLVFTPAWFS PIMYKTTSGH VQFDNCNFEN GHIQVHGPGT CQVKFCTFKN THIFLHNVPL</p> <p>CVLENCEFGV SENNSVTVEG HPSADKNWAY KYLLGLIKSS PTFLLPTEDSD FLMSLDLESR</p> <p>DQAWSPKTC D IVIEGSQSPT SPASSSPKPG SKAGSQEAEV GSDGERVAQT PDSSDGGLSP</p> <p>SGEDEDEDQL MYRLSYQVQG PRPVLGGSFL GPPLPGASIQ LPSCVLVNSL QQELQKDKEA</p> <p>MALANSVQGC LIRKCLFRDG KGGVFVCSHG RAKMEGNIFR NLTYAVRCIH NSKIIMLRND</p> <p>IYRCRASGIF LRLEGGGLIA GNNIYHNAEA GVDIRKKNP LILCNQIHHG LRSGIVVLGN</p> <p>GKGIIRNNQI FSNKEAGIYI LYHGNPVVSG NHIFKGRAAG IAVNENGKGL ITENVIRENQ</p> <p>WGGVDIRRG IPVLRSLNIC FGYS DGVVVG DEGKGLIEGN TIYANKGCGV WMMSSSLPHV</p>

TSNHVSYNGL YGVAVFSQKD GSSELPRGHR AQENFSEDGD AILWETEEK EDDPLRRPIT
IALVESNSIN HNGASGLYVQ SSEALHVITN VIHANGDRGI TVAQSSQPTR VANNSISCNR
QSGVKVEAQC KVELRGNGIY DNRGHGIIK GDSTIVIEND IIGNRGSGQLQ LLPRSDTKVI
KNRIHSFRAY GIAVRGRAKA LVQENIIFQG KTSKTIFQQI SNNRECIMQN NKFLVFKKKS
DTWRLVNPPA RPHLENSLRR PSAAHNGQKV TAMATRITAR VEGGYHSNRS VFCTIL

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.

Product Details

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	FBXO10
Alternative Name:	FBXO10 (FBXO10 Products)
Background:	<p>F-box only protein 10,FUNCTION: Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the ubiquitination and degradation of BCL2, an antiapoptotic protein, thereby playing a role in apoptosis by controlling the stability of BCL2. Targets also the receptor for advanced glycation end products RAGE for ubiquitination and subsequent lysosomal degradation (PubMed:28515150). Directly controls HGAL/GCSAM ubiquitination and degradation and thereby decreases BCR signaling (PubMed:31570756). {ECO:0000269 PubMed:23431138, ECO:0000269 PubMed:28515150, ECO:0000269 PubMed:31570756}.</p>
Molecular Weight:	105.2 kDa
UniProt:	Q9UK96

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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

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