Datasheet for ABIN3094369

OTUD7B Protein (AA 1-843) (Strep Tag)

1 Image

Go to Product page

Overview

Quantity:	1 mg
Target:	OTUD7B
Protein Characteristics:	AA 1-843
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This OTUD7B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence: MTLDMDAVLS DFVRSTGAEP GLARDLLEGK NWDVNAALSD FEQLRQVHAG NLPPSFSEGS GGSRTPEKGF SDREPTRPPR PILQRQDDIV QEKRLSRGIS HASSSIVSLA RSHVSSNGGG GGSNEHPLEM PICAFQLPDL TVYNEDFRSF IERDLIEQSM LVALEQAGRL NWWVSVDPTS QRLLPLATTG DGNCLLHAAS LGMWGFHDRD LMLRKALYAL MEKGVEKEAL KRRWRWQQTQ QNKESGLVYT EDEWQKEWNE LIKLASSEPR MHLGTNGANC GGVESSEEPV YESLEEFHVF VLAHVLRRPI VVVADTMLRD SGGEAFAPIP FGGIYLPLEV PASQCHRSPL VLAYDQAHFS ALVSMEQKEN TKEQAVIPLT DSEYKLLPLH FAVDPGKGWE WGKDDSDNVR LASVILSLEV KLHLLHSYMN VKWIPLSSDA QAPLAQPESP TASAGDEPRS TPESGDSDKE SVGSSSTSNE GGRRKEKSKR DREKDKKRAD SVANKLGSFG KTLGSKLKKN MGGLMHSKGS KPGGVGTGLG GSSGTETLEK KKKNSLKSWK GGKEEAAGDG PVSEKPPAES VGNGGSKYSQ EVMQSLSILR TAMQGEGKFI FVGTLKMGHR HQYQEEMIQR YLSDAEERFL AEQKQKEAER KIMNGGIGGG PPPAKKPEPD AREEQPTGPP AESRAMAFST GYPGDFTIPR PSGGGVHCQE PRRQLAGGPC

VGGLPPYATF PRQCPPGRPY PHQDSIPSLE PGSHSKDGLH RGALLPPPYR VADSYSNGYR EPPEPDGWAG GLRGLPPTQT KCKQPNCSFY GHPETNNFCS CCYREELRRR EREPDGELLV HRF

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

Target Details

Target:	OTUD7B
Alternative Name:	OTUD7B (OTUD7B Products)
Background:	OTU domain-containing protein 7B (EC 3.4.19.12) (Cellular zinc finger anti-NF-kappa-B protein) (Cezanne) (Zinc finger A20 domain-containing protein 1) (Zinc finger protein Cezanne),FUNCTION: Negative regulator of the non-canonical NF-kappa-B pathway that acts by mediating deubiquitination of TRAF3, an inhibitor of the NF-kappa-B pathway, thereby acting as a negative regulator of B-cell responses. In response to non-canonical NF-kappa-B stimuli, deubiquitinates 'Lys-48'-linked polyubiquitin chains of TRAF3, preventing TRAF3 proteolysis and over-activation of non-canonical NF-kappa-B. Negatively regulates mucosal immunity against infections (By similarity). Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B (PubMed:26903241). Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2 (By similarity). Mediates deubiquitination of EGFR (PubMed:22179831). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains (PubMed:27732584). Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro), however the physiological significance of these data are unsure (PubMed:27732584). Hydrolyzes both linear and branched forms of polyubiquitin. {ECO:0000250|UniProtKB:B2RUR8, ECO:0000269|PubMed:11463333, ECO:0000269|PubMed:12682062, ECO:0000269|PubMed:18178551, ECO:0000269|PubMed:20622874, ECO:0000269|PubMed:22179831, ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:27732584}.
Molecular Weight:	92.5 kDa

Target Details

UniProt:	Q6GQQ9

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. 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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process

 Copyright antibodies-online. All rights reserved.