



Datasheet for ABIN3131023
OTUD7B Protein (AA 1-840) (His tag)



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1 Image

Overview

Quantity:	1 mg
Target:	OTUD7B
Protein Characteristics:	AA 1-840
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OTUD7B protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	<p>MTLDMDAVLS DFVRSTGAEP GLARDLLEGK NWDVSAALSD FEQLRQVHAG NLSPPFSGGS TCPKTPEKGG SDREPTRPSR PILQRQDDVI QEKRLSRGIS HASSSIVSLA RSHVSSNGGG GGSSEHPLEM PICAFQLPDL TVYKEDFRSF IERDLIEQSM LVALEQAGRL NWWVSMSTC QROLLPLATTG DGNCLLHAAS LGMWGFHDRD LVLRKALYAL MEKGVEKEAL RRRWRWQQTQ QNKESGLVYT EDEWQKEWNE LIKLASSEPR MHLGSNGASG GGVESSEEPV YESLEEFHVF VLAHVLRPI VVVADTMLRD SGGEAFAPIP FGGIYLPLEV PASQCHRSPL VLAYDQAHFS ALVSMEQKES AKEQAVIPLT DSEHKLLPLH FAVDPGKGWE WGKDDNDNVR LASIILSLEV KLHLLHSYMN VKWIPLSSDS QAPLAQPESP TASAGDEPRS TPESGESDKE SVGSSSLGNE GSRRKEKSKR DREKDKKRAD SVANKLGSFG KTLGSKLKKK MGGLMHSKGP KPGGLGSGSG ISSGTETLEK KKKNNTLKSW KGGKEEAAGD GPVSEKPPSE SVGNGGSKYS QEVMQSLSTM RIAMQGEQKY IFVGTLMKMGH RHQYQEEMIQ RYLADAEERF LAEQKQKEVE RKIMNGGLVS GPPPAKKPEP DGGEDQPSDS PAEPKAMAFS TAYPGGFTIP RPSGGGVHCQ EPRRQLAGGP</p>
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CVGGLPSYAT FPRQYPGRPY PHQDNIPALE PGKDGVHRGA LLPPQFRVAD SYSNGYREPP
EPDGWAGAPR GLPPTQTKCK QPNCSFYGHP ETNNLCSCCY REELRRRERE PGGELLAHRF

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Otud7b Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

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.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protParam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. 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:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility:

0.22 µm filtered

Endotoxin Level:

Protein is endotoxin free.

Product Details

Grade: Crystallography grade

Target Details

Target: OTUD7B

Alternative Name: Otud7b ([OTUD7B Products](#))

Background: 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. Mediates deubiquitination of EGFR. Has deubiquitinating activity toward 'Lys-11', 'Lys-48' or 'Lys-63'-linked polyubiquitin chains. In vitro, has preference for 'Lys-11'-linked polyubiquitin chains, however such data are unsure in vivo. Hydrolyzes both linear and branched forms of polyubiquitin. {ECO:0000269|PubMed:23334419}.

Molecular Weight: 92.9 kDa Including tag.

UniProt: [B2RUR8](#)

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: Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM HEPES, 10% glycerol. pH value is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)

Images



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