

Datasheet for ABIN7544897
USP49 Protein (AA 1-688) (His tag)



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Overview

Quantity:	1 mg
Target:	USP49
Protein Characteristics:	AA 1-688
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP49 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat USP49 Protein expressed in mammalian cells.
Sequence:	MDRCKHVGRL RLAQDHSILN PQKWCCLECA TTESVWACLK CSHVACGRYI EDHALKHFEETGHPLAMEVR DLYVFCYLCK DYVLNDNPEG DLKLLRSSL AVRGQKQDTP VRRGRTLRSMASGEDVVLQP RAPQGQPQML TALWYRRQRL LARTLRLWFE KSSRGQAKLE QRRQEEALERKKEEARRRRR EVKRRLEEL ASTPPRKSAR LLLHTPRDAG PAASRPAALP TSRRVPAATLKLRRQPAMAP GVTGLRNLGN TCYMNSILQV LSHLQKFREC FLNLDPSKTE HLFPKATNGKTQLSGKPTNS SATELSLRND RAEACEREGF CWNGRASISR SLELIQNKEP SSKHISLCRELHTLFRVMWS GKWALVSPFA MLHSVWSLIP AFRGYDQQDA QEFLCELLHK VQQELESEGTTRRILIPFSQ RKLTKQVLKV VNTIFHGQLL SQVTCISCNY KSNTIEPFWD LSLEFFERYHCIEKGFVPLN QTECLLTEML AKFTETEAL GRIYACDQCN SKRRKSNPKP LVLSEARKQLMIYRLPQVLR LHLKRFRWSG RNHREKIGVH VVFDQVLTME PYCCRDMLSS LDKETFAYDL SAVVMHHGKG FGSGHYTAYC YNTEGGFWVH CNDSKLVNCS VEEVCKTQAY ILFYTQRTVQ

Product Details

GNARISETHL QAQVQSSNND EGRPQTFS **Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

USP49

Alternative Name:

USP49 ([USP49 Products](#))

Background:

Ubiquitin carboxyl-terminal hydrolase 49 (EC 3.4.19.12) (Deubiquitinating enzyme 49) (Ubiquitin thioesterase 49) (Ubiquitin-specific-processing protease 49),FUNCTION: Specifically deubiquitinates histone H2B at 'Lys-120' (H2BK120Ub). H2BK120Ub is a specific tag for epigenetic transcriptional activation and acts as a regulator of mRNA splicing. Deubiquitination is required for efficient cotranscriptional splicing of a large set of exons. {ECO:0000269|PubMed:23824326}.

Molecular Weight:

79.2 kDa

UniProt:

[Q70CQ1](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
