

Datasheet for ABIN7562898
USP53 Protein (AA 1-1069) (His tag)



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Overview

Quantity:	1 mg
Target:	USP53
Protein Characteristics:	AA 1-1069
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP53 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Usp53 Protein expressed in mammalian cells.
Sequence:	MAWVKFLRKP SGNLGKAYQA GSLLSLAPTV GLLNEPGQNS CFLNSAVQVL WQLDIFRRSL RALTGHCQG DACIFCALKT IFAQFQHSRE KALPSDNIRH ALAESFKDEQ RFQLGLMDDA AECFENILAR IHFHLVPNRD ADMCTSKSCV THQKFAMTLY EQCVCRCGA SSDPLPFTL VRYISTTALC NEVERMMERH ERVKPEMFAE LLQAANTADD YRKCPSCGQ KIKIRRVLMN CPEIVTIGLV WDSEHSDLTE DVVRSLATHL YLPGLFYRVT DENATDSELH LVGMICYTSR HYCAFAFHTK SSKWVFFDDA HVKEMGTRWK DVVSKCIRCH LQPLLLFYAN PDGTAVSTED ALRQVVHWSH YRSGEENMGC GKPIIYKPDN SKENGGGQT KQKENHKFQT DISSLNRSQM QTSGRRAPVK LSHDQREKIK DISRECALKA IEQKNALSSQ RKDLEKGQRK DTGRHRDLVD EVLASFKSGS PPASDGFRQQ GNPHLYHSQG KGPCCKHDRAT HESYTSKVI SSSKSNLLV PGEKTTGKAK SDSGTGYETD SSQDSRDKGG SYSSKTKSRH RGWKPMRETL NVDSVFSESE KRQHSPRRKS DIGSRPRCSK DQSFNNWPKA NPKQKGLMTI YEDEMKEAG SRSSLETNGK GAEKNLSAAE SRGPGTSWQM QRTESGYESS DHVSNGSASL DSPGVEGSGA VMDVGGGKAF

Product Details

SEHIKMNSHN MDSMEYISHH CKDHPEGFRK ELQDLEADDK IHELHPESHV QIKSHLIKRS
QIGETNDKLF PSASPQTLAR EHVYQTNEHK VERPDRSKCS ERHNTENSEG TGLPFHVDES
SVAGKRVDN ETVSPSSLPS SVRTAGLKPE TGPLMFWSQQ NITEQGYSDN SLSRELTLIS
ACNADSCQMP KLHCHRSPPP LPPKKYSTAS APRLERVGLS PDVGVTEAFN TNPSSLPKHS
LSPASGPSLE GSPCMTQERD KETIQVKQLA ANSYPSSCST NSFQPDQDST SVCPCNETISL
TTYFSVDSCM TDTYRLKYHQ RPKLYFPES GHHSNNSLSQ TEQVEGSIT **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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: USP53

Alternative Name: Usp53 ([USP53 Products](#))

Background: Inactive ubiquitin carboxyl-terminal hydrolase 53 (Inactive ubiquitin-specific peptidase 53) (Per-hexamers repeat protein 3) (Protein mambo),FUNCTION: Tight junction-associated protein that

Target Details

is involved in the survival of auditory hair cells and hearing. Maybe by modulating the barrier properties and mechanical stability of tight junctions (PubMed:26609154). Has no peptidase activity (PubMed:26609154). {ECO:0000269|PubMed:26609154}.

Molecular Weight: 119.3 kDa

UniProt: [P15975](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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