

Datasheet for ABIN7555897
USP53 Protein (AA 1-1073) (His tag)



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Overview

Quantity:	1 mg
Target:	USP53
Protein Characteristics:	AA 1-1073
Origin:	Human
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:	<p>MAWVKFLRKP GGNLGKVYQP GSMLSLAPTK GLLNEPGQNS CFLNSAVQVL WQLDIFRRSL RVLTGHVCQG DACIFCALKT IFAQFQHSRE KALPSDNIRH ALAESFKDEQ RFQLGLMDDA AECFENMLER IHFHIVPSRD ADMCTSKSCI THQKFAMTLY EQCVCRCGA SSDPLPTEF VRYISTTALC NEVERMLERH ERFKPEMFAE LLQAANTTDD YRKCPSCGQ KIKIRRVLMN CPEIVTIGLV WDSEHSDLTE AVVRNLATHL YLPGLFYRVT DENAKNSELN LVGMICYTSQ HYCAFAFHTK SSKWVFFDDA NVKEIGTRWK DVVSKCIRCH FQPLLLFYAN PDGTAVSTED ALRQVISWSH YKSVAENMGC EKPVIHSDN LKENGFGDQA KQRENQKFPT DNISSSNRSH SHTGVGKGA KLSHIDQREK IKDISRECAL KAIEQKNLLS SQRKDLEKQK RKDLGRHRDL VDEDLSHFQS GSPPAPNGFK QHGNPHLYHS QGKGSYKHDR VVPQSRASAQ IISSSKSQIL APGEKITGKV KSDNGTGYDT DSSQDSRDRG NSCDSSSKSR NRGWKPMRET LNVDSIFSES EKRQHSPRHK PNISNPKKSS KDPSFSNWPK ENPKQKGLMT IYEDMKQEI GSRSSLESNG KGAEKNKGLV EGKVHGDNWQ MQRTESGYES SDHISNGSTN LDSPVIDGNG TVMDISGVKE</p>

Product Details

TVCFSDQITT SNLNKERGDC TSLQSQHHLE GFRKELRNLE AGYKSHEFHPE ESHLQIKNHL
IKRSHVEDN GKLFPSSSLQ IPKDHNAHEH IHQSDEQKLE KPNECKFSEW LNIENSERTG
LPFHVDNSAS GKRVSNEPS SLWSSHLRTV GLKPETAPLI QQQNIMDQCY FENSLSTECI
IRSASRSDGC QMPKLFQNL PPPLPPKYYA ITSVPQSEKS ESTPDVKLTE VFKATSHLPK
HSLSTASEPS LEVSTHMNDE RHKETFQVRE CFGNTPNCPS SSSTNDFQAN SGIDAFCQP
ELDSISTCPN ETVSLTTYFS VDSCMTDTYR LKYHQRPKLS FPESGFCNN SLS **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),FUNCTION: Tight junction-associated protein that is involved in the survival of auditory hair

Target Details

cells and hearing. Maybe by modulating the barrier properties and mechanical stability of tight junctions. Has no peptidase activity (PubMed:14715245). {ECO:0000269|PubMed:14715245, ECO:0000269|PubMed:32124521}.

Molecular Weight: 120.8 kDa

UniProt: [Q70EK8](#)

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