

Datasheet for ABIN7544921

USP45 Protein (AA 1-814) (His tag)



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Overview

Quantity:	1 mg
Target:	USP45
Protein Characteristics:	AA 1-814
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP45 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USP45 Protein expressed in mammalian cells.
Sequence:	<p>MRVKDPTKAL PEKAKRSKRP TVPHDEDSSD DIAVGLTCQH VSHAISVNHV KRAIAENLWS</p> <p>VCSECLKERR FYDQQLVLTS DIWLCLKCGF QGCGKNSSEQ HSLKHFKSSR TEPHCHIIINL</p> <p>STWIIWCYEC DEKLSTHCNK KVLAQIVDFL QKHASKTQTS AFSRIMKLCE EKCETDEIQK</p> <p>GGKCRNLSVR GITNLGNTCF FNAVMQNLAQ TYTLTDLME IKESSTKLKI FPSSDSQLDP</p> <p>LVVELSRPGP LTSALFLFLH SMKETEKGPL SPKVLFNQLC QKAPRFKDFQ QQDSQELLHY</p> <p>LLDAVRTEET KRIQASILKA FNNPTTKTAD DETRKKVKAY GKEGVKMNFI DRIFIGELTS</p> <p>TVMCEECANI STVKDPFIDI SLPIIEERVS KPLLWGRMNK YRSLRETDHD RYSGNVTIEN</p> <p>IHQPRAAKKH SSSKDKSQLI HDRKCIRKLS SGETVTYQKN ENLEMNGDSL MFASLMNSES</p> <p>RLNESPTDDS EKEASHSESN VDADSEPSSES ESASKQTGLF RSSSGSGVQP DGPLYPLSAG</p> <p>KLLYTKETDS GDKEMAEAIS ELRLSSTVTG DQDFDRENQP LNISNNLCFL EGKHLRSYSP</p> <p>QNAFQTLQS YITTSKECSI QSCLYQFTSM ELLMGNNKLL CENCTKNKQK YQEETSFAEK</p> <p>KVEGVYTNAR KQLLISAVPA VLILHLKRFH QAGLSLRKVN RHVDFPLMLD LAPFCSATCK</p>

Product Details

NASVGDKVLY GLYGIVEHSG SMREGHYTAY VKVRTPSRKL SEHNTKKKNV PGLKAADNES
AGQVHVSDT YLQVVPESRA LSAQAYLLFY ERVL **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: USP45

Alternative Name: USP45 ([USP45 Products](#))

Background: Ubiquitin carboxyl-terminal hydrolase 45 (EC 3.4.19.12) (Deubiquitinating enzyme 45) (Ubiquitin thioesterase 45) (Ubiquitin-specific-processing protease 45),FUNCTION: Catalyzes the deubiquitination of SPDL1 (PubMed:30258100). Plays a role in the repair of UV-induced DNA damage via deubiquitination of ERCC1, promoting its recruitment to DNA damage sites (PubMed:25538220). May be involved in the maintenance of photoreceptor function (PubMed:30573563). May play a role in normal retinal development (By similarity). Plays a role

Target Details

	in cell migration (PubMed:30258100). {ECO:0000250 UniProtKB:E9QG68, ECO:0000269 PubMed:25538220, ECO:0000269 PubMed:30258100, ECO:0000269 PubMed:30573563}.
Molecular Weight:	91.7 kDa
UniProt:	Q70EL2

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