

Datasheet for ABIN7564432

SENP7 Protein (AA 1-1037) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SENP7
Protein Characteristics:	AA 1-1037
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SENP7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Senp7 Protein expressed in mammalian cells.
Sequence:	<p>MDRARPGRRR ASSEIVTEGK RKKSSPADLQ KITKLLTVKS EDVLAQSPLS KLRGSECWWT</p> <p>RSLRNKVICL DHKKPKAARG CPPKGLPKRH LRVMLTNVLW TDLGREFRKT LPRKDANLCA</p> <p>PSKVQSDSLP STSVDSIETC QRLDPLHQSL NLSERTPRVI LDIRQTELG RKYLKIPPV</p> <p>EASLSDTANL KSEQLSSSSD GSLESCQSVN HHKSFLSESG PKPSRTGDVP AKEAACGGQK</p> <p>QGDDGGVTPE MAAPHPKDFN TGNKGCDYLE EGTSNKNTSY SYSEMDHTPV SRKRKKRGRS</p> <p>NFHD SHNSKT SLDKPTHTK EEENDSSVSR KLEESGEDSH QDPAPPEGLA PESLESEATN</p> <p>LRSFAAGQEP DASAASGRAS SPNKSLESSA SSEVSENSSV AVKGEALTLK EASPPGGSSE</p> <p>ESQLLISAEP IVSSDEEGP VEHKNSVILK LQPPHEIMSE NQGTSDPQLS ELTLGACESV</p> <p>QVTSELPYN PDVENISCIK SNSEMDLKLD FIFTCVYIGK IKGTPKGCVT FTKKYIKIPF</p> <p>QVSTNEISLT VDTARLKRFG LWESKDEDHS KRSHAILFLW LSSDYLDIQ TQLENPMLSQ</p> <p>QSKANEFIFL ELNSSISQRE ELKLDIMME ISTKNGNLHL SCPLPWVQAL PLFQDLSPQE</p>

ISFLHYYYAS ASALPTAAGA DMKKKSVSQP SNSDTIKPTY TFLHKQSSGC YLSITSSPE
EEWQEVNRTG PVQKLIVYPP PPTKGGLGVT NEDLECLEEG EFLNDVIIDF YLKYLLLEKA
SDELVERSHI FSSFFYKCLT RKENNLTEDN PDLSPAQRH RRVRTWTRHI NIFNKDYIFV
PVNESSHWYL AVICFPWLEE AVYEDCPQTV SQQFQGQSQ HDHKMTDNDP HTTSTVSTSA
EDSQSTEVNM SVPKKMCKRP CILILDSLKA ASIQNTVQNL REYLEVEWEV KRKTHREFSK
TNMVDLCPKV PKQDNSSDCG VYLLQYVESF FQDPIVNFEL PIHLEKWFPR HVIKTKREDI
RELILKLHLQ QQKGGSC **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:

SENp7

Alternative Name:

Senp7 ([SENp7 Products](#))

Background:

Sentrin-specific protease 7 (EC 3.4.22.-) (SUMO-1-specific protease 2) (Sentrin/SUMO-specific protease SENp7),FUNCTION: Protease that acts as a positive regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS (PubMed:28095500). Desumoylation of CGAS promotes DNA-binding activity of CGAS, subsequent oligomerization and activation

Target Details

(PubMed:28095500). Deconjugates SUMO2 and SUMO3 from targeted proteins, but not SUMO1 (By similarity). Catalyzes the deconjugation of poly-SUMO2 and poly-SUMO3 chains (By similarity). Has very low efficiency in processing full-length SUMO proteins to their mature forms (By similarity). {ECO:0000250|UniProtKB:Q9BQF6, ECO:0000269|PubMed:28095500}.

Molecular Weight: 116.3 kDa

UniProt: [Q8BUH8](#)

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