

Datasheet for ABIN7555652

## STEAP3 Protein (AA 1-488) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	STEAP3
Protein Characteristics:	AA 1-488
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STEAP3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant STEAP3 Protein expressed in mammalian cells.
Sequence:	<p> MPEEMDKPLI SLHLVDSOSS LAKVPDEAPK VGILGSGDFA RSLATRLVGS GFKVVGSRN  PKRTARLFPS AAQVTFQEEA VSSPEVIFVA VFREHYSSLC SLSDQLAGKI LVDVSNPTEQ  EHLQHRESNA EYLASFPTC TVVKAFNVIS AWTLQAGPRD GNRQVPICGD QPEAKRAVSE  MALAMGFMPV DMGSLASAVE VEAMPLRLLP AWKVPTLLAL GLFVCFYAYN FVRDVLQPYV  QESQNKFFKL PVSVVNTTLP CVAYVLLSLV YLPGVLAAAL QLRRGTKYQR FPDWLDHWLQ  HRKQIGLLSF FCAALHALYS FCLPLRRAHR YDLVNLAVKQ VLANKSHLWV EEEVWRMEIY  LSLGVLALGT LSLLAVTSLP SIANSLNWRE FSFVQSSLGF VALVLSTLHT LTYGWTRAFE  ESRYKFYLPPTFTLTLLVPC VVILAKALFL LPCISRRLAR IRRGWEREST IKFTLPTDHA LAEKTSHV </p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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:

STEAP3

### Alternative Name:

STEAP3 ([STEAP3 Products](#))

### Background:

Metalloreductase STEAP3 (EC 1.16.1.-) (Dudulin-2) (Six-transmembrane epithelial antigen of prostate 3) (Tumor suppressor-activated pathway protein 6) (hTSAP6) (h pH yde) (h pH yde),FUNCTION: Integral membrane protein that functions as a NADPH-dependent ferric-chelate reductase, using NADPH from one side of the membrane to reduce a Fe(3+) chelate that is bound on the other side of the membrane (PubMed:26205815). Mediates sequential transmembrane electron transfer from NADPH to FAD and onto heme, and finally to the Fe(3+) chelate (By similarity). Can also reduce Cu(2+) to Cu(1+) (By similarity). Mediates efficient transferrin-dependent iron uptake in erythroid cells (By similarity). May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression (By similarity). Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP (PubMed:15319436, PubMed:16651434). {ECO:0000250|UniProtKB:Q5RKL5, ECO:0000250|UniProtKB:Q687X5, ECO:0000250|UniProtKB:Q8CI59,

### Target Details

	ECO:0000269 PubMed:15319436, ECO:0000269 PubMed:16651434, ECO:0000269 PubMed:26205815}.
Molecular Weight:	54.6 kDa
UniProt:	<a href="#">Q658P3</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

### 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