

Datasheet for ABIN7546451

STEAP1 Protein (AA 1-339) (His tag)



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Overview

Quantity:	1 mg
Target:	STEAP1
Protein Characteristics:	AA 1-339
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STEAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STEAP1 Protein expressed in mammalian cells.
Sequence:	<p>MESRKDITNQ EELWKMKPRR NLEEDDYLHK DTGETSMLKR PVLLHLHQTA HADEFDCPSE</p> <p>LQHTQELFPQ WHLPKIAAI IASLTFLYTL LREVIHPLAT SHQQYFYKIP ILVINKVLPM VSITLLALVY</p> <p>LPGVIAAIVQ LHNGTKYKKF PHWLDKWMLT RKQFGLLSFF FAVLHAIYSL SYPMRRSYRY</p> <p>KLLNWAYQQV QQNKEDAWIE HDVWRMEIYV SLGIVGLAIL ALLAVTSIPS VSDSLTWREF</p> <p>HYIQSKLGIV SLLLGTHAL IFAWNKWIDI KQFVWYTPPT FMIAVFLPIV VLIFKSILFL PCLRKKILKI</p> <p>RHWEDVTKI NKTEICSQL 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.</p>
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:

Product Details

- 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:	STEAP1
Alternative Name:	STEAP1 (STEAP1 Products)
Background:	STEAP1 protein (Six-transmembrane epithelial antigen of prostate 1),FUNCTION: Does not function as a metalloredutase due to the absence of binding sites for the electron-donating substrate NADPH. Promotes Fe(3+) reduction when fused to the NADPH-binding domain of STEAP4. {ECO:0000269 PubMed:32409586}.
Molecular Weight:	39.9 kDa
UniProt:	Q9UHE8
Pathways:	Transition Metal Ion Homeostasis

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