

[Go to Product page](#)

Datasheet for ABIN7491743

STEAP1 Protein

Overview

Quantity:	100 µg
Target:	STEAP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human STEAP1 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	STEAP1
Alternative Name:	STEAP1 (STEAP1 Products)
Background:	<p>PRSS24, STEAP</p> <p>Description: This gene is predominantly expressed in prostate tissue, and is found to be upregulated in multiple cancer cell lines. The gene product is predicted to be a six-transmembrane protein, and was shown to be a cell surface antigen significantly expressed at cell-cell junctions. [provided by RefSeq, Jul 2008]</p>
Molecular Weight:	The human full length STEAP1 protein has a MW of 39.9 kDa
UniProt:	Q9UHE8
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	<ul style="list-style-type: none">• Applications for VLPs:• ELISA• SPR affinity analysis• Phage display screening• Immunization• Cell based assays• CAR-T cell screening• Protein crystal structure analysis
--------------------	---

Comment:	Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.
----------	---

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Buffer:	Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months