Datasheet for ABIN7597446

STEAP1 Protein (AA 99-330) (Fc Tag)

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Overview

Quantity:	10 µg
Target:	STEAP1
Protein Characteristics:	AA 99-330
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STEAP1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human STEAP1 Protein with N-terminal human Fc tag
Sequence:	hFc(Glu99-Ala330) STEAP1(Arg185-Glu217)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	STEAP1
Alternative Name:	STEAP1 (STEAP1 Products)
Background:	STEAP, PRSS24 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

Target Details

	by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 32.8 kDa after removal of the signal peptide. The apparent molecular mass of hFc-STEAP1 is 25-55 kDa due to glycosylation.
UniProt:	Q9UHE8
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
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