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Datasheet for ABIN7505333
STEAP3 Protein (AA 1-258) (GST-His-Tag)

Overview

Quantity:	100 µg
Target:	STEAP3
Protein Characteristics:	AA 1-258
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STEAP3 protein is labelled with GST-His-Tag.

Product Details

Sequence:	Met1-Thr258
Characteristics:	A DNA sequence encoding the Human STEAP3 protein (Q658P3) (Met1-Thr258) was expressed with a N-GST&C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	STEAP3
Alternative Name:	STEAP3 (STEAP3 Products)
Background:	Abbreviation: STEAP3 Target Synonym: Metalloreductase STEAP3,STEAP3,Six-transmembrane epithelial antigen of prostate 3 Background: Endosomal ferrireductase required for efficient transferrin-dependent iron uptake

Target Details

in erythroid cells. Participates in erythroid iron homeostasis by reducing Fe(3+) to Fe(2+). Can also reduce of Cu(2+) to Cu(1+), suggesting that it participates in copper homeostasis. Uses NADP(+) as acceptor. May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP.

Molecular Weight: Calculated MW: 53.27 kDa
Observed MW: 55 kDa

UniProt: [Q658P3](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months