

Recombinant Human STEAP3 protein, MYC/DDK-tagged

Cat. No. STEAP3-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human STEAP3, transcript variant 3, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a multipass membrane protein that functions as an iron transporter. The encoded protein can reduce both iron (Fe ³⁺) and copper (Cu ²⁺) cations. This protein may mediate downstream responses to p53, including promoting apoptosis. Deficiency in this gene can cause anemia. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	STEAP3 STEAP family member 3, metalloreductase [Homo sapiens]
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Official Symbol	STEAP3
Synonyms	STMP3; TSAP6; dudlin-2
Gene ID	55240
mRNA Refseq	NM_001008410
Protein Refseq	NP_001008410
MIM	609671
UniProt ID	Q658P3
Chromosome Location	2q14.2
Pathway	Direct p53 effectors, organism-specific biosystem;Iron uptake and transport, organism-specific biosystem;Transferrin endocytosis and recycling, organism-specific biosystem;Transmembrane transport of small molecules, organism-specific biosystem;p53 signaling pathway, organism-specific biosystem;p53 signaling pathway, conserved biosystem;
Function	ferric-chelate reductase activity;metal ion binding;nucleotide binding;protein binding;