Recombinant Full Length Human STEAP2 Protein, GST-tagged

Cat. No. STEAP2-649HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human STEAP2(1 a.a. - 490 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	490 amino acids
Description	This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	80.85 kDa
AA Sequence	MESISMMGSP KSLSETFLPN GINGIKDARK VTVGVIGSGD FAKSLTIRLI RCGYHVVIGS RNPKFASEFF PHVVDVTHHE DALTKTNIIF VAIHREHYTS LWDLRHLLVG KILIDVSNNM RINQYPESNA EYLASLFPDS LIVKGFNVVS AWALQLGPKD ASRQVYICSN NIQARQQVIE LARQLNFIPI DLGSLSSARE

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	IENLPLRLFT LWRGPVVVAI SLATFFFLYS FVRDVIHPYA RNQQSDFYKI PIEIVNKTLP IVAITLLSLV YLAGLLAAAY QLYYGTKYRR FPPWLETWLQ CRKQLGLLSF FFAMVHVAYS LCLPMRRSER YLFLNMAYQQ VHANIENSWN EEEVWRIEMY ISFGIMSLGL LSLLAVTSIP SVSNALNWRE FSFIQSTLGY VALLISTFHV LIYGWKRAFE EEYYRFYTPP NFVLALVLPS IVILGKIILF LPCISRKLKR IKKGWEKSQF LEEGMGGTIP HVSPERVTVM
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	STEAP2 STEAP family member 2, metalloreductase [Homo sapiens]
Official Symbol	STEAP2
Synonyms	STEAP2; STEAP family member 2, metalloreductase; PCANAP1, prostate cancer associated protein 1 , six transmembrane epithelial antigen of the prostate 2; metalloreductase STEAP2; IPCA 1; STAMP1; STMP; prostate cancer associated protein 1; prostate cancer-associated protein 1; SixTransMembrane Protein of Prostate 1; protein upregulated in metastatic prostate cancer; protein up-regulated in metastatic prostate cancer; six transmembrane epithelial antigen of prostate 2; six-transmembrane epithelial antigen of prostate 2; six transmembrane epithelial antigen of the prostate 2; IPCA1; PUMPCn; PCANAP1
Gene ID	261729
mRNA Refseq	NM_001040665

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Protein Refseq	NP_001035755
MIM	605094
UniProt ID	Q8NFT2

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