

Recombinant Human STEAP4, His-tagged

Cat. No. STEAP4-5097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STEAP4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	STEAP4 belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloredutase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	20.6kDa (188aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMEKT CIDALPLTMN SSEKQETVCI FGTGDFGRSL GLKMLQCGYS VVFGSRNPQK TTLPSGAEV LSYSEAAKKS GIIIIAHRE HYDFLTELTE VLNGKILVDI SNNLKINQYP ESNAEYLAHL VPGAHVVKAF NTISAWALQS GALDASRQ
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	STEAP4 STEAP family member 4 [Homo sapiens]
Official Symbol	STEAP4
Synonyms	STEAP4; STEAP family member 4; TNFAIP9, tumor necrosis factor, alpha induced protein 9; metalloredutase STEAP4; FLJ23153; STAMP2; TIARP; six transmembrane prostate protein 2; sixTransMembrane protein of prostate 2; tumor necrosis factor, alpha-induced protein 9; six-transmembrane epithelial antigen of prostate 4; tumor necrosis-alpha-induced adipose-related protein; TNFAIP9; DKFZp666D049;
Gene ID	79689
mRNA Refseq	NM_001205315
Protein Refseq	NP_001192244
MIM	611098
UniProt ID	Q687X5

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Chromosome Location	7q21.13
Function	electron carrier activity; flavin adenine dinucleotide binding; iron ion binding; metal ion binding; nucleotide binding; oxidoreductase activity;

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