

Recombinant Human STEAP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STEAP4-1556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STEAP4 MS Standard C13 and N15-labeled recombinant protein (NP_078912) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene 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.
Molecular Mass	51.8 kDa
AA Sequence	MEKTCIDALPLTMNSSEKQETVCIFGTGDFGRSLGLKMLQCGYSVVFGSRNPQKTT LLPSGAEVLSYSEAAKKSIIIHREHYDFLTTELTEVLNGKILVDISNNLKINQYPESN AEYLAHLVPGAHVVKAFNTISAWALQSGALDASRQVFVCGNDSKAKQRVMDIVRNL GLTPMDQGSLMAAKEIEKYPLQLFPMWRFPFYLSAVLCVFLFFYCVIRDVIYPYVYEK KDNTFRMAISIPNRIFPITALTLLALVYLPGVIAAILQLYRGTKYRRFPDWLDHWMLCR

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KQLGLVALGFAFLHVLTYTLVIPRIYYVRWRLGNLTVTQAILKKENPFSTSSAWLSDSY
VALGILGFFLFVLLGITSLSVSNVNWREFRFVQSKLGYLTLLCTAHTLVYGGKRFL
SPSNLRWYLPAAAYVLGLIIPCTVLVIKFVLIMPCVDNTLTRIRQGWERNKSHTRTRPLE
QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name STEAP4 STEAP family member 4 [Homo sapiens (human)]

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

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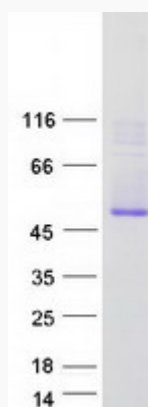
mRNA Refseq [NM_024636](#)

Protein Refseq [NP_078912](#)

MIM [611098](#)

UniProt ID [Q687X5](#)

SDS-PAGE



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