

Product datasheet for **TP316917**

STEAP4 (NM_024636) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human STEAP family member 4 (STEAP4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216917 representing NM_024636 Red =Cloning site Green =Tags(s)
	<p>MEKTCIDALPLTMNSSEKQETVCIFGTGDFGRSLGLKMLQCGYSVWFGRNPQKTTLLPSGAEVLSYSEA AKKSDIIIIAHREHYDFLTEVLTNGKILVDISNNLKINQYPESNAEYLAHLVPGAHVVKAFNTISAW ALQSGALDASRQVFVCGNDSKAKQRVMDIVRNGLTPMDQGSLMAAKEIEKYPLQLFPMWRFPFYLAVL CVLFFYCVIRDVIYPYVYEKKDNTFRMAISIPNRFIPITALTLLALVYLPGVIAAILQLYRGTKYRRFP DWLDHWMLCRKQLGLVALGFAFLHVLYTLVIPIRYVVRWRLGNLTVTQAILKKENPFSTSSAWLSDSYVA LGILGFFLVLLGITSLSVSNVAVNWREFRVQSKLGYLTLLCTAHTLVYGGKRFLSPSNLRWYLPAAAY VLGLIIPCTVLVIKFLVIMPCVDNLTLRIRQGWERNKSH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	51.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_078912</u>



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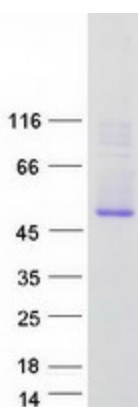
Locus ID: 79689
UniProt ID: [Q687X5](#)
RefSeq Size: 4454
Cytogenetics: 7q21.12
RefSeq ORF: 1377

Synonyms: SchLAH; STAMP2; TIARP; TNFAIP9

Summary: 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. [provided by RefSeq, Apr 2011]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified STEAP4 protein (Cat# TP316917). The protein was produced from HEK293T cells transfected with STEAP4 cDNA clone (Cat# [RC216917]) using MegaTran 2.0 (Cat# [TT210002]).