

Product datasheet for PH316917

STEAP4 (NM_024636) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STEAP4 MS Standard C13 and N15-labeled recombinant protein (NP_078912)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216917
Predicted MW:	51.8 kDa
Protein Sequence:	>RC216917 representing NM_024636 Red=Cloning site Green=Tags(s)

MEKTCIDALPLTMNSSEKQETVCIFGTGDFGRSLGLKMLQCGYSVVFGRNPQKTTLLPSGAEVLSYSEA
AKKSDIIIIAIIHREHYDFLTELTEVLNGKILVDISNNLKINQYPESNAEYLAHLVPGAHVVKAFNTISAW
ALQSGALDASRQVFCGNSKAKQRVMDIVRNGLTPMDQGSMAAKEIEKYPLQLFPMWRFPFYLSAVL
CVLFFCYCVRDVIYPYVYEKDNTRMAISIPNRIFFPITALLLALVYLPGVIAAILQLYRGTKYRRFP
DWLDHWMLCRKQLGLVALGFAFLHVLVTLVIPIRYVVRWRLGNLTVTQAILKKENPFSTSSAWLSDSYVA
LGILGFLLFVLLGITSLPSVSNVNWREFRFVQSKLGYLTLILCTAHTLVYGGKRFLSPSNLRWYLPAA
VLGLIIPCTVLVIKFVLIMPCVDNTLTRIRQGWERNKSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_078912</u>
RefSeq Size:	4454
RefSeq ORF:	1377
Synonyms:	SchLAH; STAMP2; TIARP; TNFAIP9



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Locus ID: 79689

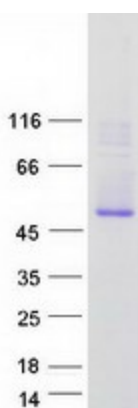
UniProt ID: [Q687X5](#)

Cytogenetics: 7q21.12

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 metalloreductase 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]).