

Product datasheet for PH310595

STEAP3 (NM_001008410) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STEAP3 MS Standard C13 and N15-labeled recombinant protein (NP_001008410)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210595
Predicted MW:	54.6 kDa
Protein Sequence:	>RC210595 protein sequence Red=Cloning site Green=Tags(s)

MPEEMDKPLISLHLVSDSSSLAKVPDEAPKVGILGSGDFARSLATRLVSGFKVVVGSRNPKRTARLFPS
AAQVTFQEEAVSSPEVIFVAVFREHYSSLSLSDQLAGKILVDVSNPTEQEHLQHRESNAEYLASLFPTC
TVVKAFNVISAWTLQAGPRDGNRQVPICGDQPEAKRAVSEMAMGFMPVDMGSLASAWVEAMPLRLLP
AWKVPTLLALGLFVCFYAYNFVRDVLQPYVQESQNKFFKLPVSVVNTTLPVAVVLLSLVYLPGLAAAL
QLRRGTKYQRFDPDLDHQLHRKQIGLLSFFCAALHALYSFCLPLRRAHRYDLVNLAVKQVLANKSHLWV
EEEVWRMEIYLSLGVLAGTLLSLLAVTSLPSIANSLNWREFSFVQSSLGVALVSLTLHTLTYGWTRAFE
ESRYKFYLPPTFTLLVPCVVILAKALFLLPCISRRLARIRRGWERESTIKFTLPTDHAAEKTSHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001008410</u>
RefSeq Size:	3870
RefSeq ORF:	1464
Synonyms:	AHMIO2; dudlin-2; dudulin-2; pHyde; STMP3; TSAP6



[View online »](#)

Locus ID: 55240

UniProt ID: [Q658P3](#), [A1P3F0](#)

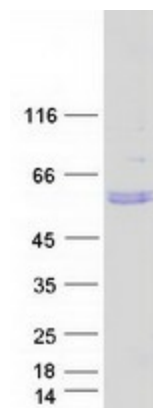
Cytogenetics: 2q14.2

Summary: This gene encodes a multipass membrane protein that functions as an iron transporter. The encoded protein can reduce both iron (Fe³⁺) and copper (Cu²⁺) cations. This protein may mediate downstream responses to p53, including promoting apoptosis. Deficiency in this gene can cause anemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Protein Families: Transmembrane

Protein Pathways: p53 signaling pathway

Product images:



Coomassie blue staining of purified STEAP3 protein (Cat# [TP310595]). The protein was produced from HEK293T cells transfected with STEAP3 cDNA clone (Cat# [RC210595]) using MegaTran 2.0 (Cat# [TT210002]).