

## Product datasheet for PH324274

### STEAP3 (NM\_018234) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	STEAP3 MS Standard C13 and N15-labeled recombinant protein (NP_060704)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224274
Predicted MW:	54.6 kDa
Protein Sequence:	>RC224274 protein sequence Red=Cloning site Green=Tags(s)

MPEEMDKPLISLHLVSDSSSLAKVPDEAPKVGILGSGDFARSLATRLVSGFKVVVGSRNPKRTARLFPS  
AAQVTFQEEAVSSPEVIFVAVFREHYSSLSLSDQLAGKILVDVSNPTEQEHLQHRESNAEYLASLFPTC  
TVVKAFNVISAWTLQAGPRDGNRQVPICGDQPEAKRAVSEMALAMGFMPVDMGSLASAWVEAMPLRLLP  
AWKVPTLLALGLFVCFYAYNFVRDVLQPYVQESQNKFFKLPVSVVNTTLPVAYVLLSLVYLPGLAAAL  
QLRRGTKYQRFDPDLDHWLQHRKQIGLLSFFCAALHALYSFCLPLRRAHRYDLVNLAVKQVLANKSHLWV  
EEEVWRMEIYLSLGVLAGTLLSLLAVTSLPSIANSLNWREFSFVQSSLGVALVSLTLHTLTYGWTRAFE  
ESRYKFYLPPTFTLLVPCVVILAKALFLLPCI SRRLARIRRGWERESTIKFTLPTDHAAEKTSHV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_060704</u>
RefSeq Size:	3938
RefSeq ORF:	1464
Synonyms:	AHMIO2; dudlin-2; dudulin-2; pHyde; STMP3; TSAP6



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Locus ID: 55240

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

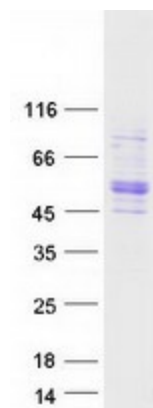
Cytogenetics: 2q14.2

**Summary:** This gene encodes a multipass membrane protein that functions as an iron transporter. The encoded protein can reduce both iron (Fe<sup>3+</sup>) and copper (Cu<sup>2+</sup>) 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# [TP324274]). The protein was produced from HEK293T cells transfected with STEAP3 cDNA clone (Cat# [RC224274]) using MegaTran 2.0 (Cat# [TT210002]).