

## Product datasheet for PH305116

### C9orf41 (CARNMT1) (NM\_152420) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C9orf41 MS Standard C13 and N15-labeled recombinant protein (NP_689633)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205116
Predicted MW:	47.2 kDa
Protein Sequence:	>RC205116 protein sequence Red=Cloning site Green=Tags(s)

MQRRRRPPPTSRLPEGCGGGGGSEEEVEVQFSAGRWGSAAAVSAAAAATRSTEEEEERLEREHFWKII  
NAFRYYGTSMHERVNRTERQFRSLPANQQKLLPQFLLHLDKIRKCIDHNQEILLTIVNDCIHFENKEYG  
EDGNGKIMPASTFDMDKLGKSTLQFVVDWSETGKAERDACYQPIIKEILKNFPERWDPSKVNILVPGAG  
LGRLEWEIAMLGYACQGNWSFFMLFSSNFVLRNRCSEINKYKLYPWIHQFSNNRRSADQIRPIFFPDVDP  
HSLPPGSNFSMTAGDFQEIYSECNTWDCIATCFEIDTAHNVIDYIDTIWKILKPGGIWINLGPLLYHFEN  
LANELSIELSYEDIKNVVLQYGFKVEVEKESVLSYTYTVNDLSMMKYYYECVLFVVRKPKQ

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><a href="#">NP_689633</a></u>
RefSeq Size:	2219
RefSeq ORF:	1227
Synonyms:	C9orf41; UPF0586
Locus ID:	138199



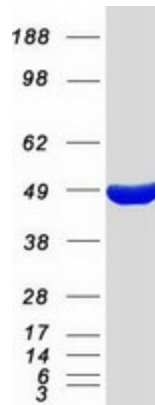
[View online »](#)

UniProt ID: [Q8N4J0](#)

Cytogenetics: 9q21.13

Summary: The protein encoded by this gene is a methyltransferase that converts carnosine to anserine, a dipeptide found abundantly in skeletal muscle. The encoded protein can methylate other dipeptides as well. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

### Product images:



Coomassie blue staining of purified CARNMT1 protein (Cat# [TP305116]). The protein was produced from HEK293T cells transfected with CARNMT1 cDNA clone (Cat# [RC205116]) using MegaTran 2.0 (Cat# [TT210002]).