Recombinant Human CARNMT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CARNMT1-5621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C9orf41 MS Standard C13 and N15-labeled recombinant protein (NP_689633) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	47.2 kDa
AA Sequence	MQRRRRPPPPTSRLPEGCGGGGGGSEEVEVQFSAGRWGSAAAVSAAAAAATRST EEEEERLEREHFWKIINAFRYYGTSMHERVNRTERQFRSLPANQQKLLPQFLLHLDK IRKCIDHNQEILLTIVNDCIHMFENKEYGEDGNGKIMPASTFDMDKLKSTLKQFVRDW SETGKAERDACYQPIIKEILKNFPKERWDPSKVNILVPGAGLGRLAWEIAMLGYACQ GNEWSFFMLFSSNFVLNRCSEINKYKLYPWIHQFSNNRRSADQIRPIFFPDVDPHSL PPGSNFSMTAGDFQEIYSECNTWDCIATCFFIDTAHNVIDYIDTIWKILKPGGIWINLG PLLYHFENLANELSIELSYEDIKNVVLQYGFKVEVEKESVLSTYTVNDLSMMKYYYEC VLFVVRKPQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

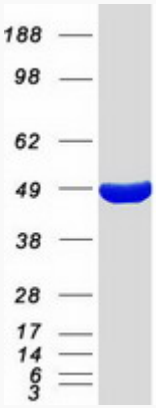
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CARNMT1 carnosine N-methyltransferase 1 [Homo sapiens (human)]
Official Symbol	CARNMT1
Synonyms	CARNMT1; carnosine N-methyltransferase 1; C9orf41; UPF0586; carnosine N-methyltransferase; UPF0586 protein C9orf41; EC 2.1.1.22
Gene ID	138199
mRNA Refseq	NM_152420
Protein Refseq	NP_689633
MIM	616552
UniProt ID	Q8N4J0

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SDS-PAGE	

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