Recombinant Full Length Human CARNMT1 Protein, C-Flag-tagged

Cat. No. CARNMT1-1716HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CARNMT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47 kDa
AA Sequence	MQRRRRPPPPTSRLPEGCGGGGGGSEEVEVQFSAGRWGSAAAVSAAAAAATRST EEEEERLEREHFWKII NAFRYYGTSMHERVNRTERQFRSLPANQQKLLPQFLLHLD KIRKCIDHNQEILLTIVNDCIHMFENKEYG EDGNGKIMPASTFDMDKLKSTLKQFVRD WSETGKAERDACYQPIIKEILKNFPKERWDPSKVNILVPGAG LGRLAWEIAMLGYAC QGNEWSFFMLFSSNFVLNRCSEINKYKLYPWIHQFSNNRRSADQIRPIFFPDVDP H SLPPGSNFSMTAGDFQEIYSECNTWDCIATCFFIDTAHNVIDYIDTIWKILKPGGIWINL GPLLYHFEN LANELSIELSYEDIKNVVLQYGFKVEVEKESVLSTYTVNDLSMMKYYYECVLFVVRKP

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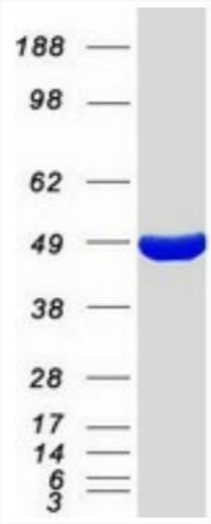
	QTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CARNMT1 carnosine N-methyltransferase 1 [Homo sapiens (human)]
Official Symbol	CARNMT1
Synonyms	C9orf41; UPF0586
Gene ID	138199
mRNA Refseq	NM_152420.3
Protein Refseq	NP_689633.1
MIM	616552

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UniProt ID	Q8N4J0



Coomassie blue staining of purified CARNMT1 protein.

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