Recombinant Full Length Human CARNMT1 Protein, GST-tagged

Cat. No. CARNMT1-2707HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CARNMT1 full-length ORF (NP_689633.1, 1 a.a. - 409 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	409 amino acids
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. [provided by RefSeq, Feb 2016]
Molecular Mass	73.6 kDa
AA Sequence	MQRRRRPPPPTSRLPEGCGGGGGGSEEVEVQFSAGRWGSAAAVSAAAAAATRST EEEEERLEREHFWKIINAFRYYGTSMHERVNRTERQFRSLPANQQKLLPQFLLHLDK IRKCIDHNQEILLTIVNDCIHMFENKEYGEDGNGKIMPASTFDMDKLKSTLKQFVRDW SETGKAERDACYQPIIKEILKNFPKERWDPSKVNILVPGAGLGRLAWEIAMLGYACQ GNEWSFFMLFSSNFVLNRCSEINKYKLYPWIHQFSNNRRSADQIRPIFFPDVDPHSL PPGSNFSMTAGDFQEIYSECNTWDCIATCFFIDTAHNVIDYIDTIWKILKPGGIWINLG PLLYHFENLANELSIELSYEDIKNVVLQYGFKVEVEKESVLSTYTVNDLSMMKYYYEC VLFVVRKPQ

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CARNMT1 carnosine N-methyltransferase 1 [Homo sapiens (human)]
Official Symbol	CARNMT1
Synonyms	CARNMT1; carnosine N-methyltransferase 1; C9ORF41; chromosome 9 open reading frame 41; UPF0586 protein C9orf41; FLJ25795; Carnosine N-Methyltransferase 1; C9orf41; Chromosome 9 Open Reading Frame 41; Carnosine N-Methyltransferase; UPF0586 Protein C9orf41; EC 2.1.1.22; UPF0586
Gene ID	138199
mRNA Refseq	NM_152420
Protein Refseq	NP_689633
MIM	616552
UniProt ID	Q8N4J0

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