

Recombinant Mouse Carnmt1 Protein, Myc/DDK-tagged

Cat. No. Carnmt1-1409M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RIKEN cDNA 2410127L17 gene (cDNA clone MGC:102344 IMAGE:4950426), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	N-methyltransferase that catalyzes the formation of anserine (beta-alanyl-N(Pi)-methyl-L-histidine) from carnosine. Anserine, a methylated derivative of carnosine (beta-alanyl-L-histidine), is an abundant constituent of vertebrate skeletal muscles. Also methylates other L-histidine-containing di- and tripeptides such as Gly-Gly-His, Gly-His and homocarnosine (GABA-His).
Molecular Mass	46.3 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Carnmt1](#) carnosine N-methyltransferase 1 [*Mus musculus* (house mouse)]

Official Symbol [Carnmt1](#)

Synonyms Carnmt1; carnosine N-methyltransferase 1; 2410127L17Rik; carnosine N-methyltransferase; UPF0586 protein C9orf41 homolog; EC 2.1.1.22

Gene ID [67383](#)

mRNA Refseq [NM_026120](#)

Protein Refseq [NP_080396](#)

UniProt ID [Q80UY1](#)

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