

Recombinant Human CARNS1 Protein, MYC/DDK-tagged

Cat. No. CARNS1-2519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARNS1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	CARNS1 (EC 6.3.2.11), a member of the ATP-grasp family of ATPases, catalyzes the formation of carnosine (beta-alanyl-L-histidine) and homocarnosine (gamma-aminobutyryl-L-histidine), which are found mainly in skeletal muscle and the central nervous system, respectively (Drozak et al., 2010 [PubMed 20097752]).
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	101.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	CARNS1 carnosine synthase 1 [Homo sapiens]
Official Symbol	CARNS1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	ATPGD1; ATPGD1
Gene ID	57571
mRNA Refseq	NM_001166222.1
Protein Refseq	NP_001159694.1
MIM	613368
UniProt ID	A5YM72

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