

Recombinant Human CARNS1 protein, His-tagged

Cat. No. CARNS1-2469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARNS1 protein(443-827 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	443-827 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MTEHRRDEENARLLAELVRARGLKLDGCFSYWDDCLVLTALLCQELGLPCSSPAAL RLAKQKSLTQLHLLHHHGPPWPAPSLHAVPCCPLESEADVERAVHQVPLPGVMKLE FGAGAVGVRLVEDAPQCHEHFSRITRDLQGEADHPGIGLGWGNAMLLMEFVEGTE HDVDLVLFGGRLAFAVSDNGPTRLPGFTETAACMPTGLAPEQEAQMVQAAFRCCCL GCGLLDGVFNVELKLTGAGPRLEINPRMGGFYLRDWILELYGVDLLAAVMVACGL RPALPTRPRARGHLVGVMCLVSQHLQALSSTASRETLQALHDRGLRLNLLEEALVP GEYEEPYCSVACAGPSPTEARLRLGLCQGLGIDGPSYPVAHFLSHFK
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [CARNS1 carnosine synthase 1 \[Homo sapiens \]](#)

Official Symbol [CARNS1](#)

Synonyms ATPGD1; ATPGD1

Gene ID [57571](#)

mRNA Refseq [NM_001166222](#)

Protein Refseq [NP_001159694.1](#)

MIM [613368](#)

UniProt ID [A5YM72](#)

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