

Recombinant Mouse Carns1 protein, His-tagged

Cat. No. Carns1-1741M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Carns1 aa. (Ala623~Phe826) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala623~Phe826
Form	Freeze-dried powder
Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at

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-80°C for 12 months.

Concentration 200µg/mL

Storage buffer 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Isoelectric Point 5.4

GENE INFORMATION

Gene Name [Carns1 carnosine synthase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Carns1](#)

Synonyms Carns1; carnosine synthase 1; Atpgd1; AI790298; mKIAA1394; ATP-grasp domain containing 1; ATP-grasp domain-containing protein 1

Gene ID [107239](#)

mRNA Refseq [NM_134148.2](#)

Protein Refseq [NP_598909.2](#)

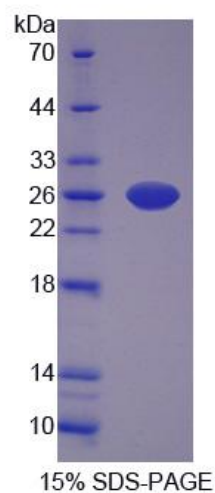
UniProt ID [E9PX09](#)

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SDS-PAGE



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