

Recombinant Rat Cps1 protein, His&Myc-tagged

Cat. No. Cps1-2724R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cps1 protein(P07756)(1355-1500aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	1355-1500aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	23.7 kDa
AA Sequence	FKIPQKGILIGIQQSFRPRFLGVAEQLHNEGFKLFATEATSDWLNANNVPATPVAWPS QEGQNPSLSSIRKLIRDGSIDLVINLPNNNTKFDVHDNYVIRRTAVDSGIALLTNFQVTK LFAEAVQKARTVDSKSLFHRYQYSAGKAA
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name [Cps1 carbamoyl-phosphate synthetase 1 \[Rattus norvegicus \]](#)

Official Symbol [Cps1](#)

Synonyms CPS1; carbamoyl-phosphate synthetase 1; carbamoyl-phosphate synthase [ammonia], mitochondrial; CPSase I; carbamoyl-phosphate synthetase I; carboamyl-phosphate synthetase 1; carbamoyl-phosphate synthetase 1, mitochondrial;

Gene ID [497840](#)

mRNA Refseq [NM_017072](#)

Protein Refseq [NP_058768](#)

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