

Recombinant Human CPS1 protein, His-tagged

Cat. No. CPS1-1843H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPS1 protein(1361-1500 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1361-1500 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	GILIGIQQSFRPRFLGVAEQLHNEGFKLFATEATSDWLNANNVPATPVAWPSQEGQ NPSLSSIRKLIRDGSIDLVINLPNNNTKFDVHDNYVIRRTAVDSGIPLLTNFQVTKLFAEA VQKSRKVDSKSLFHYRQYSAGKAA
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name CPS1 carbamoyl-phosphate synthase 1, mitochondrial [Homo sapiens]

Official Symbol CPS1

Synonyms CPS1; carbamoyl-phosphate synthase 1, mitochondrial; carbamoyl phosphate synthetase 1, mitochondrial; carbamoyl-phosphate synthase [ammonia], mitochondrial; carbamoylphosphate synthetase I; CPSASE1;

Gene ID 1373

mRNA Refseq NM_001122633

Protein Refseq NP_001116105

UniProt ID P31327

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