

Recombinant Human OTC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OTC-6720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OTC MS Standard C13 and N15-labeled recombinant protein (NP_000522) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also.
Molecular Mass	39.94 kDa
AA Sequence	MLFNLRILLNNAAFRNGHNFMVRFRCGQPLQNKVQLKGRDLLTLKNFTGEEIKYML WLSADLKFRKQKGEYLP LLQGKSLGMIFEKRSTRTRLSTETGFALLGGHPCFLT TQ DIHLGVNESLTD TARVLSSMADAVLARVYKQSDLD LAKEASIPINGLS DLYHPIQILA DYLT LQEHYSS LKGLT LSWIGDGNILHSIMMSAAKFGMHLQAATPKGYEPDASVTK LAEQYAKENGTKLLLTNDPLEAAHGGNVLITDTWISMGQEEEEKKRLQAFQGYQVT MKTAKVAASDWTFLHCLPRKPPEEVDDEVFYSRSLVFPEAENRKWTIMAVMVSLLT DYSPQLQKPKFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	> 50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	OTC ornithine carbamoyltransferase [Homo sapiens (human)]
Official Symbol	OTC
Synonyms	OTC; ornithine carbamoyltransferase; ornithine carbamoyltransferase, mitochondrial; OTCase; ornithine transcarbamylase; OCTD; MGC129967; MGC129968; MGC138856;
Gene ID	5009
mRNA Refseq	NM_000531
Protein Refseq	NP_000522
MIM	300461
UniProt ID	P00480

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SDS-PAGE



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