

Recombinant Full Length Human OTC Protein, C-Flag-tagged

Cat. No. OTC-993HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OTC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This nuclear gene encodes a mitochondrial matrix enzyme. The encoded protein is involved in the urea cycle which functions to detoxify ammonia into urea for excretion. Mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	36.1 kDa
AA Sequence	MLFNLRILLNNAAFRNGHNFMVNRNFRGQPLQNKVQLKGRDLLTLKNFTGEEIKYML WLSADLKFRKQK GEYLPLLQGKSLGMIFEKRSTRTRLSTETGFALLGGHPCFLTQ DIHLGVNESLTDARVLSSMADAVLA RYKQSDLDTLAKEASIPINGLSLDLYHPIQIL ADYLTQLQEHYSSLKGLTSLWIGDGNNILHSIMMSAAK FGMHLQAATPKGYEPDASV TKLAEQYAKENGTKLLLTNDPLEAAHGGNVLTDTWISMGQEEEEKKRLQA FQGYQ VTMKTAKVAASDWTFLHCLPRKPEEVDDEVFYSRSLVFPEAENRKWTIMAVMVSL LTDYSPQLQ KPKFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Arginine and proline metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	OTC ornithine transcarbamylase [Homo sapiens (human)]
Official Symbol	OTC
Synonyms	OCTD; OTC1; OTCD; OTCase
Gene ID	5009
mRNA Refseq	NM_000531.6
Protein Refseq	NP_000522.3

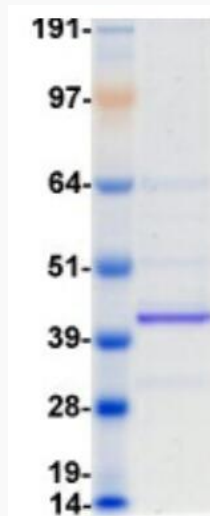
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MIM 300461

UniProt ID P00480



Coomassie blue staining of purified OTC protein.

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