

Product datasheet for **TP314662L**

Ornithine Carbamoyltransferase (OTC) (NM_000531) Human Recombinant Protein

Product data:

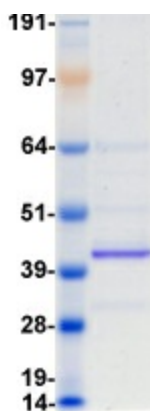
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens ornithine carbamoyltransferase (OTC), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	>RC214662 representing NM_000531 Red =Cloning site Green =Tags(s)
	 MLFNLRILLNNAAFRNGHNFMVNRNFRCGQPLQNKVQLKGRDLLTLKNFTGEEIKYMLWLSADLKFRIKQK GEYLPQLQKSLGMIFEKRSTRTRLSTETGFALLGGHPCFLTQDIHLGVNESLTDARVLSSMADAVLA RVYKQSDLDTLAKEASIPINGLSLDYHPHPIQILADYTLQEHYSSLKGLTSLWIGDGNLHHSIMMSAAK FGMHLQAATPKGYEPDASVTKLAEQYAKENGTLLLLTNDPLEAAHGGNVLITDTWISMGQEEKKRLQA FQGYQVTMKTAKVAASDWTFLHCLPRKPEEVDDEVFYSRSLVFPEAENRKWTIMAVMVSLLTDYSPQLQ KPKF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	36.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000522</u>



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Locus ID:	5009
UniProt ID:	P00480
RefSeq Size:	1927
Cytogenetics:	Xp11.4
RefSeq ORF:	1062
Synonyms:	OCTD; OTCD
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified OTC protein (Cat# [TP314662]). The protein was produced from HEK293T cells transfected with OTC cDNA clone (Cat# [RC214662]) using MegaTran 2.0 (Cat# [TT210002]).