

## Ornithine Carbamoyltransferase Human Recombinant

<b>Item Number</b>	rAP-2000
<b>Synonyms</b>	Ornithine carbamoyltransferase mitochondrial, Ornithine transcarbamylase, OTC <sub>Case</sub> , OCTD, EC 2.1.3.3.
<b>Description</b>	OTC Recombinant produced in E. coli is a single polypeptide chain containing 347 amino acids (33-354) and having a molecular mass of 38.9kDa. OTC is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P00480
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMNKVQL KGRDLLTLKN FTGEEIKYML WLSADLKFRI KQKGEYLP LL QGKSLGMIFE KRSTRTRLST ETGFALLGGH PCFLTQDIH LGVNESLTD ARVLSSMADA VLARVYKQSD LDTLAKEASI PIINGLSDLY HPIQILADYL TLQEHYSSLK GLTLSWIGDG NNILHSIMMS AAKFGMHLQA ATPKGYEPDA SVTKLAEQYA KENGTKLLLT NDPLEAAHGG NVLITDTWIS MGQEEEEKKR LQAFQGYQVT MKTAKVAASD WTLHLCLPRK PEEVDDEVFY SPRSLVFPEA ENRKWTIMAV MVSLLDYSP QLQKPKF.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The OTC solution (0.5mg/ml) contains 20mM MES buffer (pH 6.0), 100mM NaCl, 2mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**