

OTCase Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	Ornithine carbamoyltransferase, mitochondrial;mitochondrial;OTC;Ornithine transcarbamylase, mitochondrial;OTCase
Protein Construction:	33-354 aa
Species:	Human
Expression Host:	E. coli
Accession:	P00480
Molecular Weight:	52.1 kDa (predicted)
AA Sequence:	NKVQLKGRDLLTLKNFTGEEIKYMLWLSADLKFRKQKGEYLP LLQGKSLGMIFEKRSTRTRLSTETGFALLGGH PCFLTQDIHLGVNESLTDARVLSSMADAVLARVYKQSDLDLTAKEASIPINGLSDLYHPIQLADYLT LQEH YSSLKGLTLSWIGDGNNILHSIMMSAAKFGMHLQAATPKGYEPDASVTKLAEQYAKENGT KLLL TNDPLEAA HGGNVLITDTWISMGQEEKKRLQAFQGYQVTMKTAKVAASDWTFLHCLPRKPEEVDDEVFYSRSLVFPE AENRKWTIMAVMVSLLDYSPQLQKPKF

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Catalyzes the second step of the urea cycle, the condensation of carbamoyl phosphate with L-ornithine to form L-citrulline. The urea cycle ensures the detoxification of ammonia by converting it to urea for excretion.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481