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OTC, 33-354aa, Human, His tag, E.coli

产品货号: TP03268

第三版

别名:Ornithine carbamoyltransferase, OCTD, OTCase.

描述:OTC, also called ornithine carbamoyltransferase, belongs to the ATCase/OTCase family. OTC plays a vital role in the urea cycle, catalyzing the second step in this pathway: the formation of L-citrulline from L-ornithine and carbamoyl phosphate. In humans, the urea cycle is an important pathway to detoxification of ammonia. Mutations in the gene encoding OTC are associated with the X-linked disorder OTCD (ornithine carbamoyltransferase deficiency).

配方:Liquid. In 20mM MES buffer (pH 6.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

分子量:38.9kDa (347aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSHMNKVQLKGRDLLTLKNFTGEEIKYMLWLSADLKFRKQKGEYLPLLQGKSLGMIF
EKRSTRTRLSTETGFALLGGHPCFLTQDIHLGVNESLTDARVLSSMADAVLARVYKQSDLDLAKEASIPINGLSDLYHP
IQILADYLTLEHYSSLKGLTSLWIGDGNLHLSIMMSAAKFGMHLQAATPKGYEPDASVTKLAEQYAKENGTKLLLTNDP
LEAAHGGNVLITDTWISMGQEEKKRLQAFQGYQVTMKTAKVAASDWTFLHCLPRKPEEVDDEVFYSRSLVFPEAEN
RKWTIMAVMVSLLTDYSPQLQKPKF

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.