

Recombinant Ba(E.coli-k12) Ornithine carbamoyltransferase chain F

Catalog No: #AP72196

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Package Size: #AP72196-1 20ug #AP72196-2 100ug #AP72196-3 1mg

Description

Product Name	Recombinant Ba(E.coli-k12) Ornithine carbamoyltransferase chain F
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-334aaSequence Info:Full Length
Other Names	OTCase-2
Accession No.	P06960
Uniprot	P06960
GeneID	944844;
Calculated MW	40.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SDLYKKHFLKLLDFTPAQFTSLLTLAAQLKADKKNGKEVQKLTGKNIALIFEKIDSTRTRCSFEVAAFDQGARVTY LGPSSQIGHKESIKDARVLRMYDGIQYRGGHGVVETLAQYAGVPVWNGLTNEFHPTQLLADLMTMQEH LPGKAFNEMTLVYAGDARNMGNMLEAAALTGLDLRLLAPKACWPEESLVAECSALAEKHGGKITLTEDVA AGVKGADFIYTDVWVSMGEAKEKWAERIALLRGYQVNAQMMALTDNPNVKFLHCLPAFHDDQTTLGKQMAK EFDLHGGMEVTDEVFESAASIVFDQAENRMHTIKAVMMATLGE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Reversibly catalyzes the transfer of the carbamoyl group from carbamoyl phosphate (CP) to the N(epsilon) atom of ornithine (ORN) to produce L-citrulline, which is a substrate for argininosuccinate synthetase, the enzyme involved in the final step in arginine biosynthesis.

References

Evolutionary divergence of genes for ornithine and aspartate carbamoyl-transferases -- complete sequence and mode of regulation of the Escherichia coli argF gene; comparison of argF with argI and pyrB.van Vliet F., Cunin R., Jacobs A., Piette J., Gigot D., Lauwereys M., Pierard A., Glansdorff N.Nucleic Acids Res. 12:6277-6289(1984)Research Topic:Others

Note: This product is for in vitro research use only