

Recombinant Dog Cholinesterase(BCHE)

Catalog No: #AP70074

Package Size: #AP70074-1 20ug #AP70074-2 100ug #AP70074-3 1mg

Description

Product Name	Recombinant Dog Cholinesterase(BCHE)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-141aaSequence Info:Full Length
Other Names	Acylcholine acylhydrolase;Butyrylcholine esterase;Choline esterase II;Pseudocholinesterase
Accession No.	P32750
Calculated MW	19.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NTDQSFPGFPGSEMWNPNNTDLSCLYLNWVWPTPKPKNATVMIWIYGGGFQTGTSSLPVYDGKFLARVERVI VVSVNYRVGALGFLALPGNPEAPGNLGLFDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAGSVGLHL
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

Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters .

References

Use of the polymerase chain reaction for homology probing of butyrylcholinesterase from several vertebrates.Arpagaus M., Chatonnet A., Masson P., Newton M., Vaughan T.A., Bartels C.F., Nogueira C.P., la Du B.N., Lockridge O.J. Biol. Chem. 266:6966-6974(1991)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.