

Recombinant human Cholinesterase

Catalog No: #AP72454



Package Size: #AP72454-1 20ug #AP72454-2 100ug #AP72454-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Cholinesterase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:29-602aaSequence Info:Full Length
Other Names	Acylcholine acylhydrolaseButyrylcholine esteraseCholine esterase IIPseudocholinesterase
Accession No.	P06276
Uniprot	P06276
GeneID	590;
Calculated MW	67.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EDDIIIATKNGKVRGMNLTVFGGTVTAFLGIPYAQPPLGRLRFKPKQSLTKWSDIWNATKYANSCCQNIQSFPGFHGSEMWNPNLTDLSEDCLYLNVWIPAPKPKNATVLIWIYGGGFQTGTSSLHVYDGKFLARVERVIVVSMNRYVVGALGFLALPGNPEAPGNMGLFDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASVSLHLLSPGSHSLFTRAILQSGSFNAPWAVTSLYEARNRTLNLAKLTGCSRENETEIIKCLRNDPQEILLNEAFVVPYGTPLSVNFGPTVDGDFLTDMPDILLELGQFKKTQILVGVNKDEGTAFLVYGAPGFSKDNNSIITRKEFQEGLKIFFPGVSEFGKESILFHYTDWVDDQRPENYREALGDVVDYDFICPALEFTKFKFSEWGNNAFFYYFEHRSSKLPWPEWMGVMHGYEIEFVFGPLERRDNYTKAEIILSRIVKRWANFAKYGNPNETQNNSTSWPVFKSTEQKYLTLNTESTRIMTKLRAQQCRFWTSFFPKVLEMTGNIDEAEWEWKAGFHRWNNYMMMDWKNQFNDYTSKKESCVGL
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

Isolation and characterization of full-length cDNA clones coding for cholinesterase from fetal human tissues.Prody C.A., Zevin-Sonkin D., Gnatt A., Goldberg O., Soreq H.Proc. Natl. Acad. Sci. U.S.A. 84:3555-3559(1987)Research Topic:Neuroscience

Note: This product is for in vitro research use only