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Datasheet for ABIN7504237

Butyrylcholinesterase Protein (BCHE) (AA 29-602) (His tag)

Overview

Quantity:	100 µg
Target:	Butyrylcholinesterase (BCHE)
Protein Characteristics:	AA 29-602
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Butyrylcholinesterase protein is labelled with His tag.

Product Details

Purpose:	Human BCHE/Butyrylcholinesterase Protein
Sequence:	Glu29-Leu602
Characteristics:	Recombinant Human BCHE/Butyrylcholinesterase Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu29-Leu602.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Butyrylcholinesterase (BCHE)
Alternative Name:	BCHE (BCHE Products)

Target Details

Background:	Butyrylcholinesterase is a serine hydrolase biochemically related to the cholinergic enzyme acetylcholinesterase. It is capable of hydrolyzing esters of choline. Butyrylcholinesterase has unique enzymatic properties and is widely distributed in the nervous system, raising the possibility of its involvement in neural function.
Molecular Weight:	66.18 kDa. Due to glycosylation, the protein migrates to 70-110 kDa based on Tris-Bis PAGE result.
UniProt:	P06276
Pathways:	Peptide Hormone Metabolism

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months