Human BCHE/Butyrylcholinesterase Protein

Cat. No. BCE-HM101

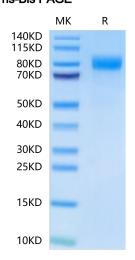


Description	
Source	Recombinant Human BCHE/Butyrylcholinesterase Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Glu29-Leu602.
Accession	P06276
Molecular Weight	The protein has a predicted MW of 66.18 kDa. Due to glycosylation, the protein migrates to 70-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
Formulation and	Storage
Formulation	Lyophilized from 0.22 μm filtered solution in 50mM Tris, 150mM Nacl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt20 to -80°C for 3-6 months in unopened state 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.
Background	

distributed in the nervous system, raising the possibility of its involvement in neural function.

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

Assay Data Tris-Bis PAGE



Human BCHE on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Bioactivity Data

Measured by its ability to cleave Butyrylthiocholine. The specific activity is > 70000 pmoles/min/µg.