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Product Datasheet

Recombinant Human BCHE (C-6His)
EBT-EPT268

Article Name	Recombinant Human BCHE (C-6His)
Biozol Catalog Number	EBT-EPT268
Supplier Catalog Number	EPT268
Alternative Catalog Number	EBT-EPT268-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Butyrylcholine Esterase is produced by our Mammalian expression system and the target gene encoding Glu29-Leu602 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 66.12 KDa. Apparent molecular weight: 90 KDa, reducing conditions
UniProt	P06276
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test. Background: Butyrylcholine Esterase (BCHE) is a secreted protein that belongs to the type-B carboxylesterase/lipase family. BCHE is a major acetylcholine hydrolyzing enzyme in the circulation. It is detected in blood plasma and present in most cells except erythrocytes. BCHE is an esterase with broad substrate specificity. BCHE can contribute to the inactivation of the neurotransmitter acetylcholine. BCHE can degrade a large number of neurotoxic organophosphate esters. Thus, it plays important pharmacological and toxicological roles and is thought to be involved in the pathological progression. Defects in BCHE are the cause of butyrylcholinesterase deficiency (BChE deficiency) which is a metabolic disorder characterized by prolonged apnoea after the use of certain anesthetic drugs, including the muscle relaxants succinylcholine and other ester local anesthetics