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## Product Datasheet

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

Artikelname	Recombinant Human BCHE (C-6His)
Artikelnummer	EBT-EPT268
Hersteller Artikelnummer	EPT268
Alternativnummer	EBT-EPT268-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	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....
Molekulargewicht	Molecular weight: 66.12 KDa. Apparent molecular weight: 90 KDa, reducing conditions
UniProt	<a href="#">P06276</a>
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>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</p>
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