

Native Human Serum ButyrylcholinEsterase

Cat. No. BCHE-8054H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Serum ButyrylcholinEsterase was purified from Human Serum.
Species	Human
Source	Human Serum
Description	Mutant alleles at the BCHE locus are responsible for suxamethonium sensitivity. Homozygous persons sustain prolonged apnea after administration of the muscle relaxant suxamethonium in connection with surgical anesthesia. The activity of pseudocholinesterase in the serum is low and its substrate behavior is atypical. In the absence of the relaxant, the homozygote is at no known disadvantage.
Form	Lyophilized from 0.02M NH ₄ HC03
Stability	1 year
Storage	-20 °C

GENE INFORMATION

Gene Name	BCHE butyrylcholinesterase [Homo sapiens]
Official Symbol	BCHE
Synonyms	BCHE; butyrylcholinesterase; CHE1, cholinesterase 1; cholinesterase; E1;

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	cholinesterase 1; choline esterase II; pseudocholinesterase; butyrylcholine esterase; acylcholine acylhydrolase; CHE1;
Gene ID	590
mRNA Refseq	NM_000055
Protein Refseq	NP_000046
UniProt ID	P06276
Chromosome Location	3q26.1-q26.2
Pathway	Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Irinotecan Pathway, organism-specific biosystem; Synthesis, Secretion, and Deacylation of Ghrelin, organism-specific biosystem;
Function	acetylcholinesterase activity; acetylcholinesterase activity; beta-amyloid binding; carboxylesterase activity; carboxylesterase activity; catalytic activity; choline binding; cholinesterase activity; cholinesterase activity; cholinesterase activity; enzyme binding; hydrolase activity;