

# Native Human Serum ButyrylcholinEsterase

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

## SPECIFICATION

<b>Product Overview</b>	Human Serum ButyrylcholinEsterase was purified from Human Serum.
<b>Species</b>	Human
<b>Source</b>	Human Serum
<b>Description</b>	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 pseudochoolinesterase in the serum is low and its substrate behavior is atypical. In the absence of the relaxant, the homozygote is at no known disadvantage.
<b>Form</b>	Lyophilized from 0.02M NH <sub>4</sub> HC03
<b>Stability</b>	1 year
<b>Storage</b>	-20 °C

## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	cholinesterase 1; choline esterase II; pseudocholinesterase; butyrylcholine esterase; acylcholine acylhydrolase; CHE1;
<b>Gene ID</b>	590
<b>mRNA Refseq</b>	NM_000055
<b>Protein Refseq</b>	NP_000046
<b>UniProt ID</b>	P06276
<b>Chromosome Location</b>	3q26.1-q26.2
<b>Pathway</b>	Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Irinotecan Pathway, organism-specific biosystem; Synthesis, Secretion, and Deacylation of Ghrelin, organism-specific biosystem;
<b>Function</b>	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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA