

Recombinant Human BCHE Protein, His-tagged

Cat. No. BCHE-574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCHE(Glu29~Thr150) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu29~Thr150
Description	This gene encodes a cholinesterase enzyme and member of the type-B carboxylesterase/lipase family of proteins. The encoded enzyme exhibits broad substrate specificity and is involved in the detoxification of poisons including organophosphate nerve agents and pesticides, and the metabolism of drugs including cocaine, heroin and aspirin. Humans homozygous for certain mutations in this gene exhibit prolonged apnea after administration of the muscle relaxant succinylcholine.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	14.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others

GENE INFORMATION

Gene Name

BCHE butyrylcholinesterase [Homo sapiens]

Official Symbol

BCHE

Synonyms

BCHE; butyrylcholinesterase; CHE1, cholinesterase 1; cholinesterase; E1; cholinesterase 1; choline esterase II; pseudocholinesterase; butyrylcholine esterase; acylcholine acylhydrolase; CHE1;

Gene ID

590

mRNA Refseq

NM_000055

Protein Refseq

NP_000046

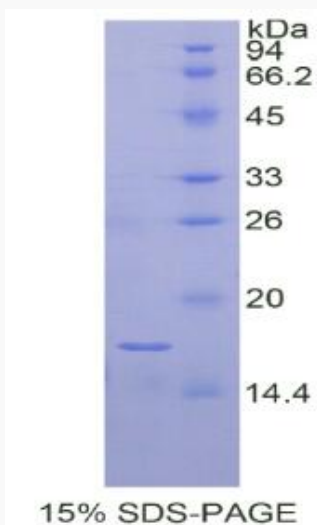
UniProt ID

P06276

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