

Active Recombinant Human BCHE protein, His-tagged

Cat. No. BCHE-901H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCHE protein(Glu 29 - Leu 602), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 29 - Leu 602
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to cleave Butyrylthiocholine.The specific activity is >12,000 pmol/min/µg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 67.0 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage

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at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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