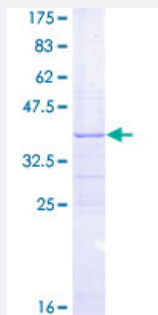


# BCHE (Human) Recombinant Protein (Q01)

Catalog # H00000590-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human BCHE partial ORF ( NP_000046, 493 a.a. - 602 a.a.) recombinant protein with GST-tag at N-terminal.           |
| <b>Sequence</b>                      | RSIVKRWANFAKYGNPNETQNNSTSWPVFKSTEQKYLTLNTESTRIMTKLRAQQCRFWTSFFPKV<br>LEMTGNIDEAEWEWKAGFHRWNNYMMDWKNQFNDYTSKKESCVGL |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                              |
| <b>Theoretical MW (kDa)</b>          | 37.84                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (79); Rat (78)                                                                                               |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                              |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                  |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                        |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                           |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                    |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                             |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — BCHE

Entrez GeneID [590](#)

GeneBank Accession# [NM\\_000055](#)

Protein Accession# [NP\\_000046](#)

Gene Name BCHE

Gene Alias CHE1, E1

Gene Description butyrylcholinesterase

Omim ID [177400](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

Other Designations -

## Disease

- [Alzheimer disease](#)
- [Apnea](#)
- [Atherosclerosis](#)

- [Brain Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Coronary Restenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Frontotemporal Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Hyperhomocysteinemia](#)
- [Inhibition \(Psychology\)](#)
- [Kidney Failure](#)
- [Lewy Body Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Psychomotor Disorders](#)
- [Renal Insufficiency](#)

- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Werner syndrome](#)