



Recombinant Human Cholinesterase (BCHE)

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| Product Code | CSB-EP002604HU-B |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P06276 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | EDDIIATKNGKVRGMNLTVFGGTVTAFLGIPYAQPPLGRLRFKKPQSLTKWSDI WNATKYANSCCQNIDQSFPGFHGSEMWNPNNTDLSEDCLYLNWVWIPAPKPKNA TVLIWIYGGGFQTGTSSLHVYDYGKFLARVERVIVVSMNYRVGALGFLALPGNP EAPGNMGLFDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASVSLHLLSPG SHSLFTRAILQSGSFNAPWAVTSLYEARNRTLNLAKLTGCSRENETEIIKCLRN KDPQEILLNEAFVVPYGTPLSVNFGPTVDGDFLTDMPDILLELGQFKKTQILVG VNKDEGTAFLVYGAPGFSKDNNSIITRKEFQEGLKIFFPGVSEFGKESILFHYTD WVDDQRPENYREALGDVVGDFYFICPALEFTKKFSEWGNNAFFYYFEHRSSK LPWPEWMGVMHGYEIEFVFGPLPLERRDNYTKAEEILSRIVKRWANFAKYGN PNETQNNSTSWPVFKSTEQKYLTLNTESTRIMTKLRAQQCRFWTSFFPKVLE MTGNIDEAEWEWKAGFHRWNNYMMDWKNQFNDYTSKKESCVGL |
| Research Area | Neuroscience |
| Source | E.coli |
| Target Names | BCHE |
| Protein Names | Recommended name: Cholinesterase EC= 3.1.1.8 Alternative name(s): Acylocholine acylhydrolase Butyrylcholine esterase Choline esterase II Pseudocholinesterase |
| Expression Region | 29-602aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | 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. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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