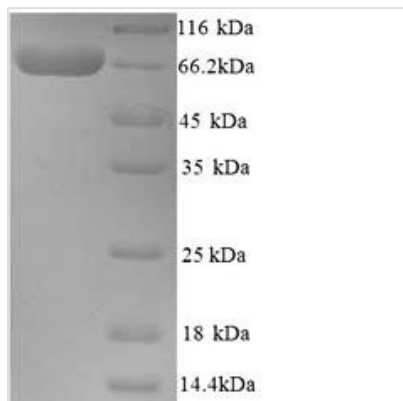




Recombinant Human Cholinesterase (BCHE)

Product Code	CSB-YP002604HU
Relevance	Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters.
Abbreviation	Recombinant Human BCHE protein
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
Alias	Acylcholine acylhydrolase Butyrylcholine esterase Choline esterase II Pseudocholinesterase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EDDIIIA TKNGKVRGMNLT VFGGTVTAFLGIPYAQPPLGRLRFKKPQSLTKWSDI WNATKYANSCCQNIDQSFPGFHGSEMWNPNNTDLSEDCLYLNWVWIPAPKPKNA TVLIWIYGGGFQTGTSSLHVYD GKFLARVERVIVVSMNYRVGALGFLALPGNP EAPGNMGLFDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASVSLHLLSPG SHSLFTRAILQSGSFNAPWAVTSLYEARNRTLNLAKLTGCSRENETEIIKCLRN KDPQEILLNEAFVVPYGTPLSVNFGPTVDGDFLTDMPDILLELGQFKKTQILVG VNKDEGTAFLVYGAPGFSKDNNSIITRKEFQEGLKIFFPGVSEFGKESILFHYTE WVDDQRPENYREALGDVVG DYNFICPALEFTKKFSEWGNNAFFYYFEHRSSK LPWPEWMGVMHGYEIEFVFG LPLERRDNYTKAEEILSR SIVKRWANFAKYGN PNETQNNSTSWPVFKSTEQKYLTLNTESTRIMTKLRAQQCRFWTSFFPKVLE MTGNIDEAEWEWKAGFHRWNNYMMDWKNQFNDYTSKKESCVGL
Research Area	Neuroscience
Source	Yeast
Target Names	BCHE
Protein Names	Recommended name: Cholinesterase EC= 3.1.1.8 Alternative name(s): Acylcholine 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	N-terminal 6xHis-tagged
Mol. Weight	67.1kDa

**Protein Length****Full Length of Mature Protein****Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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.