



Recombinant Human BCHE Protein Product Manual

1. Product Basic Information

Product No.: REP06248

Protein Name: Cholinesterase Choline Esterase li (BCHE)

Aliases: E1; CHE1; CHE2; BCHED; cholinesterase; cholinesterase choline esterase II; pseudocholinesterase; butyrylcholinesterase; butyrylcholine esterase; cholinesterase (serum) acylcholine acylhydrolase

UniProt ID: P32750

UniProt Link: <https://www.uniprot.org/uniprotkb/P32750/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (29-602aa)

Molecular Weight: 67.1kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (29-602aa)

EDDIIIATKNGKVRGMNLTVFGGTVTAFLGIPYAQPPLGRLRFKKPQSLTKWSDIWN
ATKYANSCCQNIDQSFPGFHGMSEWNPNTDLSEDCLYLNWIPAPKPKNATVLIWI
YGGGFQTGTSSLHVDGKFLARVERVIVVSMNYRVGALGFLALPGNPEAPGNMGL
FDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASVSLHLLSPGSHSLFTRAILQS
GSFNAPWAVTSLYEARNRTLNLAKLTGCSRENETEIIKCLRKNKDPQEILLNEAFVVPY
GTPLSVNFGPTVDGDFLTDMPDILLELGQFKKTQILVGVNKDEGTAFLVYGAPGFSK
DNNSIITRKEFQEGLKIFFPGVSEFGKESILFHYTDWVDDQRPENYREALGDVVGDY
NFICPALEFTKKFSEWGNNAFFYYFEHRSSKLPWPEWMGVMHGYEIEFVFGPLPLER
RDNYTKAEEILSRIVKRWANFAKYGNPNETQNNSTSWPVFKSTEQKYLTNTTEST
RIMTKLRAQQCRFWTSFFPKVLEMTGNIDEAEWEWKAGFHRWNNYMMDWKNQF
NDYTSKKESCVGL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human BCHE full length of mature protein protein (29-602aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. BCHE, also known as E1 or CHE1 or CHE2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.