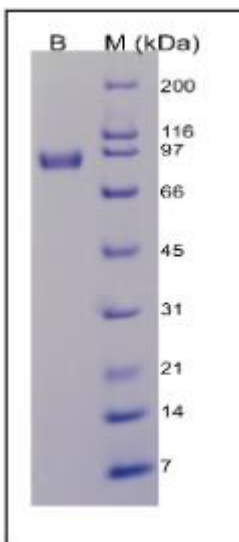


## Recombinant Human BChE (CHO-K1)

Catalog Number	Size
AG421-10	10ug
AG421-25	25ug
AG421-B	Bulk

### Specifications and Use

#### Description



Recombinant human butyrylcholinesterase (BChE) produced from conditioned medium of stably-transfected CHO-K1 cells is a tetramer form associated with a proline-rich attachment domain (PRAD). Each mature polypeptide contains 574 amino acids having a predicted molecular mass of approximately 65kD, but migrates with an approximate molecular mass of 280kD in non-reduced SDS gel.

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EDDII IATKNGKVRGMNLT VFGGTVTAFLGIPYAQPPLGRLRFKKPQSLTKWSDIW
NATKYANSCCQNIDQSFPGFHGSEMWNPNNTDLSEDCLYLN VWI PAKPKPNATVLIW
IYGGGFQTGTSSLHVYDGKFLARVERVIVVSMNYRVGALGFLALPGNPEAPGNMGL
FDQQLALQWVQKNIAAFGGNPKSVTLFGESAGAASVSLHLLSPGSHSLFTRAILQS
GSFNAPWAVTSLYEARNRTLNLAKLTGCSRENETE I I KCLRNDKPQE I ILLNEAFVV
PYGTPLSVNFGPTVDGDFLTDMPDILLELGQFKKTQ I I LVGVNKDEGTAFLVYGAPG
FSKDNN S I I TRKEFQEG L K I F F P G V S E F G K E S I L F H Y T D W V D D Q R P E N Y R E A L G D V
V G D Y N F I C P A E L F T K K F S E W G N N A F F Y Y F E H R S S K L P W P E W M G V M H G Y E I E F V F G L
P L E R R D N Y T K A E E I L S R S I V K R W A N F A K Y G N P N E T Q N N S T S W P V F K S T E Q K Y L T L N
T E S T R I M T K L R A Q Q C R F W T S F F P K V L E M T G N I D E A E W E W K A G F H R W N N Y M M D W K N Q
F N D Y T S K K E S C V G L
```

#### Accession Number

NM\_000055

#### Source

CHO-K1

#### Molecular Mass

~65kDa

#### Purity

≥90%, as determined by SDS-PAGE

#### Biological Activity

Butyrylcholinesterase is a serine hydrolase and has a potential role in maintaining and regulating the activity of neurotransmitter acetylcholine in the central nervous system. Recombinant human BChE protein has similar pharmacokinetic and protective properties to plasma-derived BChE and is suitable for other related function assays.

#### Formulation

20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA

#### Storage

The protein sample can be stored under sterile conditions at 2- 8oC for one month or at -70oC for three months without detectable loss of activity.  
Avoid repeated freeze-thaw cycles

#### Special Notes

**FOR RESEARCH ONLY**