

## 32-18149: Recombinant Human BCHE Protein, His Tag

**Uniprot ID :** P06276  
**Alternative Name :** BCHED; CHE1; CHE2; E1

### Description

Molecular Characterization: BCHE(Glu29-Leu602) 6 $\text{\AA}$ —His tag

Molecular weight: The protein has a predicted molecular mass of 65.9 kDa after removal of the signal peptide. The apparent molecular mass of BCHE-His is approximately 70-130 kDa due to glycosylation.

Description: Recombinant Human BCHE Protein with C-terminal 6 $\text{\AA}$ —His tag

This gene encodes a cholinesterase enzyme and member of the type-B carboxylesterase/lipase family of proteins. The encoded enzyme exhibits broad substrate specificity and is involved in the detoxification of poisons including organophosphate nerve agents and pesticides, and the metabolism of drugs including cocaine, heroin and aspirin. Humans homozygous for certain mutations in this gene exhibit prolonged apnea after administration of the muscle relaxant succinylcholine.

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$   
**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.  
**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.