

## Recombinant Dog BCHE Protein (1-141 aa), His-tagged

**Cat. No.** BCHE-354D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Dog BCHE Protein (1-141 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length. |
| <b>Species</b>          | Dog                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-141 aa                                                                                                                                                                      |
| <b>Description</b>      | Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters.              |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                               |
| <b>Molecular Mass</b>   | 19.1 kDa                                                                                                                                                                      |
| <b>AA Sequence</b>      | NTDQSFPGFPGSEMWNPNNTDLSEDCLYLNWVWPTPKPKNATVMIWIYGGGFQTGTS<br>SLPVYDYGKFLARVERVIVSVNYRVGALGFLALPGNPEAPGNLGLFDQQLALQWVQ<br>KNIAAFGGNPKSVTLFGESAGAGSVGLHL                        |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                              |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                  |

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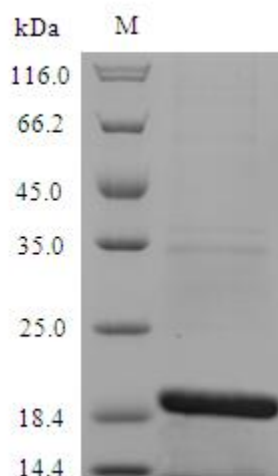
 45-1 Ramsey Road, Shirley, NY 11967, USA

**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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**UniProt ID** P32750



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

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