

## Recombinant Human ACHE protein, MYC/DDK-tagged

**Cat. No.** ACHE-106H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ACHE, transcript variant E4-E5, fused with MYC/DDK tag at C-terminal was expressed in HEK293. |
| <b>Species</b>          | Human                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                          |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                           |
| <b>Molecular Mass</b>   | 60.8 kDa                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                     |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                |

### GENE INFORMATION

|                        |                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ACHE acetylcholinesterase [ Homo sapiens ]                                                                                                                                                        |
| <b>Official Symbol</b> | ACHE                                                                                                                                                                                              |
| <b>Synonyms</b>        | ACHE; acetylcholinesterase; acetylcholinesterase (YT blood group) , acetylcholinesterase (Yt blood group) , YT; Yt blood group; apoptosis-related acetylcholinesterase; YT; ACEE; ARACHE; N-ACHE; |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 43                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_015831                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_056646                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | 100740                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P22303                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 7q22                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | ATF-2 transcription factor network, organism-specific biosystem; Acetylcholine Synthesis, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Monoamine Transport, organism-specific biosystem; |
| <b>Function</b>            | acetylcholine binding; acetylcholine binding; acetylcholinesterase activity; acetylcholinesterase activity; beta-amyloid binding; carboxylesterase activity; cholinesterase activity; collagen binding; hydrolase activity; laminin binding; protein binding; protein homodimerization activity; protein homodimerization activity; protein self-association; serine hydrolase activity;            |