Active Recombinant Human ACHE protein, His-tagged

Cat. No. ACHE-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACHE protein(Glu 32 - Leu 614), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 32 - Leu 614
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to cleave Acetylthiocholine. The specific activity is >500 nmol/min/μg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 66.5 kDa. The protein migrates as 65-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage

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	at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ACHE acetylcholinesterase [Homo sapiens]
Official Symbol	ACHE
Synonyms	ACHE; acetylcholinesterase; acetylcholinesterase (YT blood group) , acetylcholinesterase (Yt blood group) , YT; Yt blood group; apoptosis-related acetylcholinesterase; YT; ACEE; ARACHE; N-ACHE;
Gene ID	43
mRNA Refseq	NM_000665
Protein Refseq	NP_000656
MIM	100740
UniProt ID	P22303

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