Recombinant Rat Choline O-Acetyltransferase

Cat. No. Chat-1836R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Chat wasexpressed in Escherichia coli.
Species	Rat
Source	E.coli
Description	Chat is arecombinant protein corresponding to rat Choline Acetyltransferase (Chat), anenzyme that catalyzes the reversible synthesis of acetylcholine (ACh) fromacetyl CoA and choline at cholinergic synapses.
Form	Purified recombinantChat - liquid.
Application	Immunohistology -Frozen
Preparation	Purified recombinant rat choline acetyltransferase expressed in Escherichia coli.
Concentration	Total protein concentration 0.25 mg/ml.
Storage	Store at -20oC only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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Gene Name	Chat choline O-acetyltransferase[Rattus norvegicus]
Official Symbol	Chat
Synonyms	Chat; choline O-acetyltransferase; choline O-acetyltransferase; CHOACTase;choline acetylase; choline acetyltransferase
Gene ID	290567
mRNA Refseq	NM_001170593
Protein Refseq	NP_001164064
Chromosome Location	16p16
Pathway	AcetylcholineNeurotransmitter Release Cycle; Biogenic Amine Synthesis; Cholinergicsynapse; Glycerophospholipid metabolism; Neurotransmitter Release Cycle;Synaptic Transmission; Transmission across Chemical Synapses
Function	choline O-acetyltransferaseactivity; choline binding; transferase activity, transferring acyl groups

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