

Choline Acetyltransferase (ChAT) Recombinant Protein | ChAT recombinant protein

Recombinant Choline Acetyltransferase (ChAT)

CATALOG # AAA153494	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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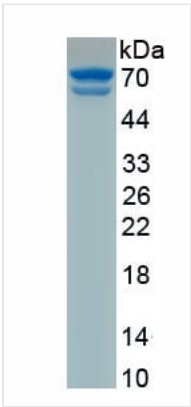
PRODUCT SYNONYMS

Choline Acetyltransferase (ChAT); Recombinant Choline Acetyltransferase (ChAT); Choline Acetyltransferase; ChAT recombinant protein (prokaryotic); Mouse; CMS1A; CMS1A2; CHOACTase; Choline acetylase; ChAT recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 350ug/mL (varies by lot)
Applicable Applications for ChAT recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met1~Ser641
Tags	His and TrxA Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	7.8
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



MPILKKVPRKMFVQASCEVLDLPLVPFLQUTLATTLCQNHLPREKQPKQAIYERFGAPGGLGETLQKLLERQKTAHVSY
WLNQWTLNRLALPNSPFAVIFARQFQDTNQLRFAASLSQVLSYKALLDQSIPTDMAGQQLSQAPLQWATPRLFSSTRLPGHTQ
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LYRQVSSELPAFRLRWRCSPTQGHLSASBELARIVNDLPIYEFQYQKTFIRKQKSPQGFQVAGLQATLRLTQRLVPTTESA
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LQSNRFLSTSQVPTTRMFQCTGPPVNGVACTNPHAEAITFCISPHCKETSSTVFARAWGASLVDMQLCSSRQFAUSKPTAKR
RARGPQAMQS

Sequence

SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for ChAT recombinant protein	Prokaryotic proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	416804
NCBI GeneID	12647
UniProt Accession #	Q03059
Molecular Weight	Predicted Molecular Mass: 92.2kDa Accurate Molecular Mass: 70/60kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Choline O-acetyltransferase
NCBI Official Synonym Full Names	choline acetyltransferase
NCBI Official Symbol	Chat
NCBI Official Synonym Symbols	B230380D24Rik
NCBI Protein Information	choline O-acetyltransferase; CHOACTase; choline acetylase
UniProt Protein Name	Choline O-acetyltransferase
UniProt Gene Name	Chat
UniProt Synonym Gene Names	CHOACTase; ChAT; Choline acetylase
UniProt Entry Name	CLAT_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chat-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/153494>