

Datasheet for ABIN7546528

**Choline Acetyltransferase Protein (AA 1-748) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Choline Acetyltransferase (CHAT)
Protein Characteristics:	AA 1-748
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Choline Acetyltransferase protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CHAT Protein expressed in mammalian cells.
Sequence:	MGLRTAKKRG LGGGGKWKRE EGGGTRGRRE VRPACFLQSG GRGDPGDVGG PAGNPGCSPH PRAATRPPPL PAHTPAHTPE WCGAASAEAA EPRRAGPHLC IPAPGLTKTP ILEKVPRKMA AKTPSSEESG LPKLPVPLQ QTLATYLQCM RHLVSEEQFR KSQAIQQFG APGGLGETLQ QKLLERQEK ANWVSEYWLN DMYLNNRLAL PVNSSPAVIF ARQHFPQTDD QLRFAASLIS GVLSYKALLD SHSIPTDCAK GQLSGQPLCM KQYYGLFSSY RLPGHTQDTL VAQNSSIMPE PEHVIVACCN QFFVLDVVIN FRRLSEGDLF TQLRKIVKMA SNEDERLPPI GLLTSDGRSE WAEARTVLVK DSTNRDSLDM IERCICLVCL DAPGGVELSD THRALQLLHG GGYSKNGANR WYDKSLQFVV GRDGTGCVVC EHSPFDGIVL VQCTEHLKHH VTQSSRKLIR ADSVSELPAP RRLRWKCSPE IQGHLASSAE KLQRIVKNLD FIVYKFDNYG KTFIKKQKCS PDAFIQVALQ LAFYRLHRR L VPTYESASIR RFQEGRVDNI RSATPEALAF VRAVTDHKAA VPASEKLLLL KDAIRAQTAY TVMAITGMAI DNHLLALREL ARAMCKELPE MFMDETYLMS NRFVLSTSQV PTTTEMFCCY GPVVPNGYGA CYNPQPETIL FCISSFHSC ETSSSKFAKA VEESLIDMRD

## Product Details

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LCSSLPPPTES KPLATKEKAT RPSQGHQP **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** Choline Acetyltransferase (CHAT)

**Alternative Name:** CHAT ([CHAT Products](#))

**Background:** Choline O-acetyltransferase (CHOACTase) (ChAT) (Choline acetylase) (EC 2.3.1.6),FUNCTION: Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses. {ECO:0000269|PubMed:17144655}.

**Molecular Weight:** 82.5 kDa

**UniProt:** [P28329](#)

**Pathways:** [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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