

Recombinant Human AMT, His-tagged

Cat. No. AMT-3425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aminomethyltransferase, mitochondrial (AMT)
Species	Human
Source	E.Coli/Yeast
ProteinLength	403
Description	This gene encodes one of four critical components of the glycine cleavage system. Mutations in this gene have been associated with glycine encephalopathy. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AMT recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

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Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [AMT aminomethyltransferase \[Homo sapiens \]](#)

Official Symbol AMT

Synonyms

AMT; aminomethyltransferase; aminomethyltransferase (glycine cleavage system protein T); aminomethyltransferase, mitochondrial; GCST; glycine cleavage system protein T; NKH; glycine cleavage system T protein; GCE; GCVT;

Gene ID [275](#)

mRNA Refseq [NM_000481](#)

Protein Refseq [NP_000472](#)

MIM [238310](#)

UniProt ID [P48728](#)

Chromosome Location 3p21.2-p21.1

Pathway

Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; One Carbon Metabolism, organism-specific biosystem; One carbon pool by f

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Function

aminomethyltransferase activity; transaminase activity; transferase activity;

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