

# Recombinant Human AMT, His-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Aminomethyltransferase, mitochondrial (AMT)                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 403                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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.                                                           |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                             |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | 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. |
| <b>Storage</b>          | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 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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