

## Recombinant Human AMT cell lysate

Cat. No. AMT-72HCL    Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein; MIM 238330), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	AMT aminomethyltransferase [ Homo sapiens ]
<b>Official Symbol</b>	AMT
<b>Synonyms</b>	AMT; aminomethyltransferase; aminomethyltransferase (glycine cleavage system protein T); aminomethyltransferase, mitochondrial; GCST; glycine cleavage system

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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 folate, organism-specific biosystem; One carbon pool by folate, conserved biosystem; glycine cleavage complex, organism-specific biosystem;

**Function**

aminomethyltransferase activity; transaminase activity; transferase activity;

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