

Recombinant Human AMT cell lysate

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

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AMT aminomethyltransferase [Homo sapiens]
Official Symbol	AMT
Synonyms	AMT; aminomethyltransferase; aminomethyltransferase (glycine cleavage system

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	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 folate, organism-specific biosystem; One carbon pool by folate, conserved biosystem; glycine cleavage complex, organism-specific biosystem;
Function	aminomethyltransferase activity; transaminase activity; transferase activity;