

Recombinant Human AMT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AMT-6644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AMT MS Standard C13 and N15-labeled recombinant protein (NP_000472) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	43.8 kDa
AA Sequence	MQRVSVVARLGFRLQAFPPALCRPLSCAQEVLRRTPLYDFHLAHGGKMVAFAGW SLPVQYRDSHTDSHLHTRQHCSLFDVSHMLQTKILGSDRVKLMESLVVGDIAELRPN QGTLSLFTNEAGGILDDLIVTNTSEGHLYVVSNAAGCWEKDLALMQDKVRELQNQGR DVGLEVLNALLALQGPTAAQVLQAGVADDLRKLPFMTSAVMEVFGVSGCRVTRC GYTGEDGVEISVPVAGAVHLATAILKNPEVKLAGLAARDSLRLEAGLCLYGNDIDEHT TPVEGSLSWTLGKRRRAAMDFPGAKVIVPQLKGRVQRRRVGLMCEGAPMRAHSPI LNMEGTKIGTVTSGCPSPLKKNVAMGYVPCESRPGTMILLVEVRRKQQMAVVSK MPFVPTNYYTLKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	AMT aminomethyltransferase [Homo sapiens (human)]
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

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