

## Recombinant Human AMT protein, His-tagged

**Cat. No.** AMT-2690H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AMT protein(147-321 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 147-321 aa                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | EKDLALMQDKVRELQNQGRDVGLEVLNALLALQGPTAAQVLQAGVADDLRKLPM<br>MTSAVMEVFGVSGCRVTRCGYTGEDGVEISVPVAGAVHLATAILKNPEVKLAGLAA<br>RDSLRLEAGLCCLYGNDIDEHTTPVEGSLSWTLGKRRRAAMDFPGAKVIVPQLKGRV<br>QRRRVGLM                                                                                         |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |

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**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## 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 protein T; NKH; glycine cleavage system T protein; GCE; GCVT; |
| <b>Gene ID</b>         | 275                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_000481                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_000472                                                                                                                                                                                                                   |
| <b>MIM</b>             | 238310                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | P48728                                                                                                                                                                                                                      |

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