

## Recombinant Human AADAT protein, GST-tagged

Cat. No. AADAT-301515H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AADAT (81-429 aa) protein, fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser81-Leu429
<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, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>AA Sequence</b>	SAGIPELLSWLKQLQIKLHNPPTIHYQPSQGQMDLCVTSGSQGLCKVFEMIINPGD NVLLDEPAYSGTLQSLHPLGCNIINVASDESGIVPDSLRLDILSRWKPEDAKNPQKNTP KFLYTVPNGNPTGNSLTSEKKEIYELARKYDFLIIEDDPYYFLQFNKFRVPTFLSM DVDGRVIRADSFSKIISSGLRIGFLTGPKPLIERVILHIQVSTLHPSTFNQLMISQLLHE WGEEGFMAHVDRVIDFYSNQKDAILAAADKWLTGLAEWHVPAAGMFLWIKVKGIND VKELIEEKAVKMGVLMPLPGNAFYVDSSAPSPYLRAFSSASPEQMDVAFQVLAQLIK ESL
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Stability</b>	Store for up to 12 months at -20°C to -80°C as lyophilized powder.

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**Storage**

Short-term storage: Store at 2-8°C for (1-2 weeks).

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.

**GENE INFORMATION**
**Gene Name**

[AADAT aminoadipate aminotransferase \[ Homo sapiens \]](#)

**Official Symbol**

[AADAT](#)

**Synonyms**

AADAT; aminoadipate aminotransferase; kynurenine/alpha-aminoadipate aminotransferase, mitochondrial; KAT2; KATII; kynurenine aminotransferase II; L kynurenine/alpha aminoadipate aminotransferase; KAT/AadAT; 2-aminoadipate transaminase; 2-aminoadipate aminotransferase; alpha-aminoadipate aminotransferase; kynurenine--oxoglutarate transaminase II; kynurenine--oxoglutarate aminotransferase II;

**Gene ID**

[51166](#)

**mRNA Refseq**

[NM\\_016228](#)

**Protein Refseq**

[NP\\_057312](#)

**MIM**

[611754](#)

**UniProt ID**

[Q8N5Z0](#)

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