



# Recombinant Human Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (AADAT)

<b>Product Code</b>	CSB-YP843276HU
<b>Abbreviation</b>	AADAT
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8N5Z0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	P KSMISLAGGL PNPNMFPFKT AVITVENGKT IQFGEEMMKR ALQYSPSAGI PELLSWLKQL QIKLHNPPTI HYPPSQGQMD LCVTSGSQQG LCKVFEMIIN PGDNVLLDEP AYSGLTQSLH PLGCNIINVA SDESGIVPDS LRDILSRWKP EDAKNPQKNT PKFLYTPVNG NNPTGNSLTS ERKKEIYELA RKYDFLIIED DPYYFLQFNK FRVPTFLSMD VDGRVIRADS FSKIISGLR IGFLTGPKPL IERVILHIQV STLHPSTFNQ LMISQLLHEW GEEGFMAHVD RVIDFYSNQK DAILAAADKW LTGLAEWHVP AAGMFLWIKV KGINDVKELI EEKAVKMGVL MLPGNAFYVD SSAPSPYLRA SFSSASPEQM DVAFQVLAQL IKESL
<b>Source</b>	Yeast
<b>Target Names</b>	AADAT
<b>Protein Names</b>	Recommended name: Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial Short name= KAT/AadAT Alternative name(s): 2-aminoadipate aminotransferase 2-aminoadipate transaminase EC= 2.6.1.39 Alpha-aminoadipate aminotrans
<b>Expression Region</b>	30-425
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a protein that is highly similar to mouse and rat kynurenine aminotransferase II. The rat protein is a homodimer with two transaminase activities. One activity is the transamination of alpha-aminoadipic acid, a final step in the saccharopine pathway which is the major pathway for L-lysine catabolism. The other activity involves the transamination of kynurenine to produce kynurenine acid, the precursor of kynurenic acid which has



neuroprotective properties. Two alternative transcripts encoding the same isoform have been identified, however, additional alternative transcripts and isoforms may exist.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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