



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

Product Code	CSB-EP843276HU-B
Abbreviation	AADAT
Storage	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.
Uniprot No.	Q8N5Z0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	P KSMISLAGGL PNPNMFPFKT AVITVENGKT IQFGEEMMKR ALQYSPSAGI PELLSWLKQL QIKLHNPPTI HYPPSQGQMD LCVTSGSQQG LCKVFEMIIN PGDNVLLDEP AYSGLTQSLH PLGCNIINVA SDESGIVPDS LRDILSRWKP EDAKNPQKNT PKFLYTPNG NNPTGNSLTS ERKKEIYELA RKYDFLIIED DPYYFLQFNK FRVPTFLSMD VDGRVIRADS FSKISSGLR IGFLTGPKPL IERVILHIQV STLHPSTFNQ LMISQLLHEW GEEGFMAHVD RVIDFYSNQK DAILAAADKW LTGLAEWHVP AAGMFLWIKV KGINDVKELI EEKAVKMGVL MLPGNAFYVD SSAPSPYLRA SFSSASPEQM DVAFQVLAQL IKESL
Source	E.coli
Target Names	AADAT
Protein Names	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
Expression Region	30-425
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 saccaropine 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.

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.

Shelf Life

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.