

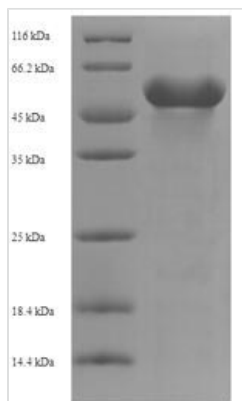


# Recombinant Human Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial (AADAT)

<b>Product Code</b>	CSB-EP843276HU
<b>Relevance</b>	Transaminase with broad substrate specificity. Has transaminase activity towards aminoadipate, kynurenine, methionine and glutamate. Shows activity also towards tryptophan, aspartate and hydroxykynurenine. Accepts a variety of oxo-acids as amino-group acceptors, with a preference for 2-oxoglutarate, 2-oxocaproic acid, phenylpyruvate and alpha-oxo-gamma-methiol butyric acid. Can also use glyoxylate as amino-group acceptor (in vitro).
<b>Abbreviation</b>	Recombinant Human AADAT protein
<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>Alias</b>	2-aminoadipate aminotransferase2-aminoadipate transaminase (EC:2.6.1.39)Alpha-aminoadipate aminotransferase ;AadATKynurenine aminotransferase IIKynurenine--oxoglutarate aminotransferase IIKynurenine--oxoglutarate transaminase 2 (EC:2.6.1.7)Kynurenine--oxoglutarate transaminase II
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	PKSMISLAGGLPNPNMFPFKTAVITVENGKTIQFGEEMMKRALQYSPSAGIPEL LSWLKQLQIKLHNPPTIHYPPSQGQMDLCVTSGSQQLCKVFEMIINPGDNVL LDEPAYSGTLQSLHPLGCNIINVASDESGIVPDSLRLDILSRWKPEDAKNPQKNT PKFLYTVPNGNPTGNSLTSERKKEIYELARKYDFLIIEDDPYYFLQFNKFRVPT FLSMDVDGRVIRADSFSKIISGLRIGFLTGPKPLIERVILHIQVSTLHPSTFNQL MISQLLHEWGEEGFMAHVDRVIDFYNSQKDAILAAADKWLTLGLAEWHVPAAG MFLWIKVKGINDVKELIEEKAVKMGVLMPLGNFYVDSSAPSPYLRASFSSASP EQMDVAFQVLAQLIKESL
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<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>	30-425aa
<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>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	60.2kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

<b>Reconstitution</b>	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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