

Recombinant Human AADAT Protein, GST-tagged

Cat. No. AADAT-015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AADAT full-length ORF (AAH31068.1, 1 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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-amino adipic 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. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Molecular Mass	74.3 kDa
AA Sequence	MNYARFITAASAARNPSPiRTMSEKRADILSRGPKSMISLAGGLPNPNMFpFKTAVIT VENgKTIQFGEEmmKRALQYSPSAGIPELLSWLKQLQIKLHNpPTIHQPSQGQMDL CVTSGSQQLCKVFEMIINPGDNVLLDEPAYSGTLQSLHPLGCNIINVASDESGIVPD SLRDILSRWKPEDAKNPQKNTPKFLYTPNGNNPTGNSLTSErkKEIYELARKYDFLI IEDDPYYFLQFNKFRVPTFLSMDVDGRVIRADSFskIISGLRIGFLTGPkPLIERVILHI QVSTLHPSTFNQLMISQLLHEWGEEGFMAHVDRVIDFYsnQKDAILAAADKWLTGLA

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	EWHVPAAGMFLWIKVKGINDVKELIEEKAVKMGVLMPLPGNAFYVDSSAPSPYLRSF SSASPEQMDVAFQVLAQLIKESL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

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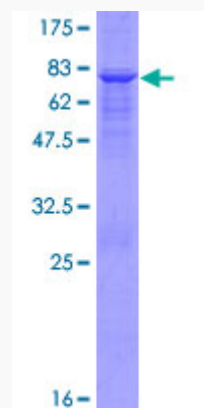
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Protein Refseq NP_057312

MIM 611754

UniProt ID Q8N5Z0



12.5% SDS-PAGE Stained with Coomassie Blue.

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