

Recombinant Full Length Human AADAT Protein, GST-tagged

Cat. No. AADAT-749HF **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	In Vitro Cell Free System
ProteinLength	429 amino acids
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	MNYARFITAA SAARNPSPIR TMSEKRADIL SRGPKSMISL AGGLPNPNMF PFKTAVITVE NGKTIQFGEE MMKRALQYSP SAGIPELLSW LKQLQIKLHN PPTIHYQPSQ GQMDLCVTSG SQQGLCKVFE MIINPGDNVL LDEPAYSGTL QSLHPLGCNI INVASDESGI VPDSLRDILS RWKPEDAKNP QKNTPKFLYT VPNGNNPTGN SLTSEKKEI YELARKYDFL IIEDDPYYFL QFNKFRVPTF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LSMDVDGRVI RADFSFSKIIS SGLRIGFLTG PKPLIERVIL HIQVSTLHPS
TFNQLMISQL LHEWGEEGFM AHVDRVIDFY SNQKDAILAA ADKWLTGLAE
WHVPAAGMFL WIKVKGINDV KELIEEKAVK MGVLMPLGNA FYVDSSAPSP
YLRASFSSAS PEQMDVAFQV LAQLIKESL

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](#)

Protein Refseq [NP_057312](#)

MIM [611754](#)

UniProt ID [Q8N5Z0](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA