

Recombinant Human AADAT 293 Cell Lysate

Cat. No. AADAT-9158HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aminoadipate aminotransferase (AADAT), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Chromosome Location

4q33

Pathway

Lysine biosynthesis, organism-specific biosystem; Lysine biosynthesis, conserved

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biosystem; Lysine catabolism, organism-specific biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Lysine degradation, lysine =>saccharopine =>

Function

2-aminoadipate transaminase activity; 2-aminoadipate transaminase activity; kynurenine-oxoglutarate transaminase activity; kynurenine-oxoglutarate transaminase activity; protein homodimerization activity; pyridoxal phosphate binding;

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