

Product datasheet for TP506782

Aadat (NM_011834) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse amino adipate aminotransferase (Aadat), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206782 protein sequence Red=Cloning site Green=Tags(s)

MNYSRFLTATSLARKPSPIRTTADILSKAPKTLISLAPGSPNPSMFPFKSAAFTVENGSTIRFEDDLIKR
ALQYSPSYGIPELLSWLKQFQVKLHNPPTVNYPPNQGM DLCITSGCQDGLCKAFEMLINPGDITLVNEP
LFGTLYAMKPLGCNIINVPSDEHGIPEGLKILSQWKPEDSKDPTKKT PKFLYTPNGNPTGNSLTG
DRKKEIYELARKYDFLIIEDDPYYFLQFSKPWEPTFLSMDVDGRVIRADTFSKTVSSGLRVGFMTGPKTL
IQNIVLHTQVSSVHACTLSQLMILQLLHQWGEEGFLAHIDRTIDFYKNQRDSILAAADKWLRGLAEWHVP
KAGMFLWIKVKGISDTKQLIEEKAIEREVLLVPGNGFFIDGSAPTSFRRASFSLATPAQM DTAFAQRLAQL
IKESL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	47.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035964
Locus ID:	23923



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UniProt ID:	Q9WVM8
RefSeq Size:	1780
Cytogenetics:	8 30.85 cM
RefSeq ORF:	1278
Synonyms:	Aadt; AI875679; Kat2; KATII; Kyat2; mKat-2
Summary:	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) (By similarity).[UniProtKB/Swiss-Prot Function]