

Product datasheet for SC209124

Aminoadipate aminotransferase (AADAT) (NM_182662) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Aminoadipate aminotransferase (AADAT) (NM_182662) Human 3' UTR Clone
Symbol:	Aminoadipate aminotransferase
Synonyms:	KAT2; KATII; KYAT2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_182662
Insert Size:	736 bp
Insert Sequence:	>SC209124 3'UTR clone of NM_182662 The sequence shown below is from the reference sequence of NM_182662. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTAGCACAACTTATAAAAGAATCTTTATGAAGAAATTAACACTAGGTTGGGCATGGTGGCTCACACCTAT
AATCCCAGCACTTTGGGAGGCAGAGGAGGGAGGATCACTTGAACCCAGGAATTCAAGGCTGCAGTAAGC
TACGATCACACCACTGCACTCTGGCCTGCATGCACTCTGGCCTGCATGGCAGAACAAAGACCCTGTCTCT
AAAAAAGAGAAAAGAAATCAAACATAATCATGCTGCTCATGGATTTTTCCAATAAAATTTCTGTTTTGGC
AGGAAGAAATGAACACTGGTATTAGACTTAAAGATTAATTTCCCTCAAACATGTCCTATCTGTAGTAGT
TCAAACAGACACCTTTTAAAGTGCCCTCTAAATTCATCAGATGGCCAAACTGTATTATAATCCACTTAG
GCATTTTGAAAACTTTCAACCTGTAAAAAGTTACTTTTATCTTGGATTTATTATGAAGAACTTTGTAG
TTGCTTTGTAATTTCCATAAATTTGCTTTTGAACATAACATTTTACACTGAATTTTGTAGATTTTAA
AGAAGTAATTAAGTGCAAAATGGTATATAATGTGACTTTTTCTACTTTTAGGAAAAATTAATGAGAGC
TTATTGCAAAAATGTTATAATTTGGTCATTATAAGTGACTTTTAGTAAAAGTACCATAAACCTTATGT
TATGCCACAGAAATTCCTTTAAAATAAAATTTCTTAACTAAACATA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_182662.2
Summary:	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-aminoadipic acid, a final step in the saccaropine 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]
Locus ID:	51166
MW:	27.9