

Product datasheet for MC223569

Aasdh (NM_173765) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aasdh (NM_173765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aasdh
Synonyms:	A230062G08Rik; A830035E16; Acsf4; U26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223569 representing NM_173765 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTTCAGGAGTTGGTGCTTCGGACTGCCTCTGTCTATATGGATAGAACAGCTGTATGTTTTGACG
AAGGCAATAACCAGCCTCCAGTGTGCTATTCTACAAGGCTCTGTTGAGCGCGGCTTCAGAATTATCCCA
TTTTCTGATAGCACACTGTGACTTTGGAGGAATTCGGGAAATTTGGTCTCTATTGTCAACCTGGGATAAAC
TTACCCTCCTGGATTTTAGGGATTCTTCAGGTCCCCGCAGCGTATGCGCCATTGATCCAGACTCCCCAC
CGTCCTTATCACTTACTTTATGAAAAATGTGACCTAAAGTATGTTCTCGTTGAAAAACAGCAGCTTAG
TAAATTCAAATCTTCACATGAGACAGTTCTGAACATGACACAGTTTCCGTGGAACACAAGGACCTGGCA
CTCTTCAGACTGCATTGGGAAGATGGTCGGGTGAGCACAGTGCTTGGTGACAGAGCAGATCAGCACAAGG
TGACGGATAGAGAAGACAGAGTGAGTGCTGAGAGCAGGACCCAGAGAAGGAGCAGATGGACATGCGGCA
TGACGGTTGCTTGGCTTATGTCCTCCATACCTCAGGGACCACGGGGACACCGAAGATTGTCAGAGTGCC
CATGCATGCATACTGCCTAATATCCAGCACTTCCGGTCACTTTTTGACATCACTCAAGAAGACATTTTGT
TTCTGGCTTCTCCTCTGACCTTCGATCCATCTGTTGTGGAGATATTTGTTCTCTGTCCAGTGGGGCTG
CCTGCTTATCGTGCCAACTTCTGTCAAAGTGCTACCATCAAATAGCTGACATTCTTTTTCCCGCCAC
AGAGTGACTGTTTTACAGGCAACGCCAATTGCTGAGAAGATTTGGATCTGAGCTCATCAAGTCCACTG
TCCTGTCAGCGCATACGTCTCTGAGAGTCTGGCCCTCGTGGGGAAGCCTTCCCCTCGTGACCATCCT
CAAAGCTGGCGAGGCAAGGCAACAGAACCCAGATATTTAACATCTATGGTATCACAGAGGTATCCAGC
TGGGCCACTTTTTACAGGATCCCAGAGGAGATTCTTAATTCTGCCGTGAAACATGAATCCCTGTGCAGC
TGGGGTCGCCACTACTTGAACGGTGATTGAAGTCAGAGACCAAATGGTTCTCCAGTTCTCGAAGGCAC
TGGCCAAGTATTTTAGGTGGGAAGAACAGAGTGTTTTCTTGATGATGAAATGACAGTGCCCTTGGC
ACCATGAGAGCCACAGGAGACTTTGTGACTGTGAAAGATGGAGAGATATTTTCTTGGGAAGAAAGGACA
GCCAGATCAAGCGCCATGGCAAACGTCTTAACATTGCACTTGTGCAACAGGTTGCTGAAGAACTTGCCCA
GGTGGAGTCTGCGCGGTCACTTGGTATATCAGGAAAGATTGATTCTCTTCATCGTATCCAAAGTTGAC
TTAGTAAAGGACTGCATCTTTAAAGAATTGCAGAAACACCTTCCAGCACACGCCCTGCTGATGACATGG



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TGCTGATCGATACCCTGCCATTTACATGCCATGGCAAAGTTGATGTTTCTGAGTTAAACAAGATATATTT
 AGACTACATAAGCTCACAGCCTAGGAATGAACTCCATGGAAAAGAGGAACCTTTGGGGAAAATTACAGTAT
 TTATGGAAGTCTATTCTGTGTCTCCCTGAGGATCCAGAGGATACTCTGAAGGTTCCCGCCAACTCCGTCT
 TTTTAGATAGTGGTGGGGATTCCCTCAAGTCCATGCGGCTCCTCAGTGAGATTGAGAGGCTACCCGGGAC
 AGCCATCCCTGGCCTTCTGGAAGTTATCCTCAGCAGTTCCTCTTAGACGTTTACAACCACATCGTTCAA
 GCCGTGTTACACCGGAGGACAGGAAAGCCAACAGGAGTTACACCACAAAAAGGAAATTCAGTGATGCTG
 ATCCAGAGGAAGCCAGCGGGAAGCTGCACGTCTGGAGTCTGCCCTGGCCTTCAACCATGCCGGCGAGAC
 CAACTCCGTGATCGCTCTGAGCAGAGGGAGTCAGGTTTTGTCTCTTGGCGCTGGGAGGCTTTTAACTCAG
 TTAGACTCTGCCTGCCAGTCTGTTCTCTGGATTAATCCACAGACTAACACTCAGATATTA AAAAGCC
 TAAGTCTCCAGCTCCTGATGAAAACCTGGAAAAGCCCCACTTTTTTCAGCAGGGGAGCCCCGTGGTTGG
 GGCTATGGCGATGGCATTGCGGGAGAGGTGGCGTCAGACACAGGCAAATGCGTTGATGCCTCCCCTCTG
 CTGGTGAGAGCGGCTGTACAGGATAAGCCCTCCACAACCGTGTATATTGGCTCGCACTCGCACACAGTGA
 AGGCTGTCGACCTGTCTCTGGGAGACGAGGTGGGAACAGCTTCTGGGAGATCGAATTGAATCCTCAGC
 GTGTGTGTCTAAATGTGAAAACCTTATTGTAGTGGCTGTTATAATGGATTAGTCTATGCCTAAAAAGT
 AATAGTGGAGAAAAATATTGGACATTTACTACTGAAGATGCTGTCAAAGCTCACCAGCCGTGGATCCAA
 CCACAGGACTCATTTATGTCGGATCTCATGACCAGCAGCATATGCTTTAGACATTTATGAAAAGAAATG
 TGCTGGAAGCTAAACTGTGAAGGCGCTCTCTTTCTCTCCGTGTGTGAGCCTGAGTCCACACCATCTG
 TACTGTGTACGCTAGGGGACTCTTACTGGCCATAATCCTGCTTCTGGGAGCACGGTGTGGAAGCGCT
 CCTGTGAAAAGCCACTCTTCTTCCCCACGGTGTACCAGCAATACATCTGCATCGGCTGCGTGGACGG
 CAGTTTGTCTGTTTACACACTCAGGGGAGCAGGTCTGGCGCTTTGCTGCTGGAGGGCCAACTTCTCA
 TCCCCATGCGTCTCGGCAGCAGAACAAGAAATATTTTTGGTTCCCATGACTGCTTTATCTACTGCTGTA
 GCAAGGAAGGTCACCTCCGGTGGAAATTTGAGACGACAGCCAGGGTGTATGCAACGCCCTTTGCTTTCAG
 TAACCACCCCGTAGCGATGATGCACTGCTGGCAGCGGCATCCACTGACGGGAAACTGTGGGTCTCGAG
 TCTCGGAGCGGAGAGCTGCGAAGTGTGTATGAACTCCCCGAGAAGTCTTCTCCTCTGTGGTCTGGG
 AATCAATGCTTGTATTGGGTGCAGAAACAATTATTTACTGTCTGGATTTATTGTGTGGTGATAAAAA
 TAACCAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173765
- Insert Size:** 3303 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM_173765.3, NP_776126.1](#)

RefSeq Size: 3694 bp

RefSeq ORF: 3303 bp

Locus ID: 231326

UniProt ID: [Q80WC9](#)

Cytogenetics: 5 C3.3

Gene Summary: The gene product is a cytosolic enzyme involved in the production of alpha-aminoadipic acid from alpha-aminoadipic semialdehyde. It is postulated that this enzyme plays a role in lysine metabolism. There is currently debate regarding this enzyme's putative requirement of pyrroloquinoline quinine as an essential cofactor. A related pseudogene has been identified on chromosome 2. [provided by RefSeq, Jan 2010]