

Product datasheet for **RC239811**

AASDH (NM_001286669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AASDH (NM_001286669) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AASDH
Synonyms:	ACSF4; LYS2; NRPS998; NRPS1098
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

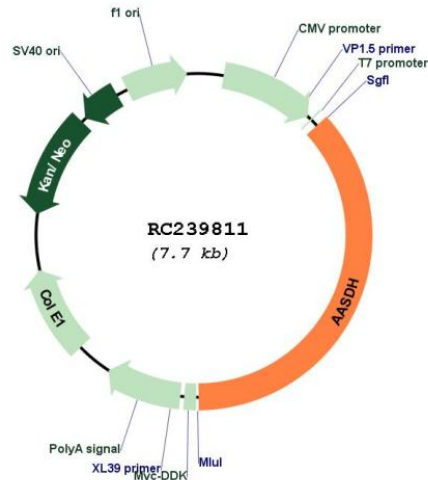
>RC239811 representing NM_001286669
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTAAATGATGAAAAAGAAAAATATGAAAAAGAAAAATAAAAAGCAT AAGTTCTGAGCATGTCAATG
 AAGAAAAAGCAGAAGAACACATGGATCTGAGGCTAAAGCATTGCTTAGCCTATGTTCTACATACATCAGG
 GACTACAGGGATACCGAAGATTGTCAGAGTGCCTCATAAGTGTATAGTACCAAATATCCAGCATTTCGG
 GACTTTTTGACATCACACAAGAAGATGTTTTGTTTCTGGCTTCACTCTGACCTTCGATCCTTCTGTTG
 TGGAAATATTTCTTGCTCTATCAAGTGGTGCCTCTCTGCTTATTGTACCAACTCCGTC AAGTTGCTCCC
 ATCAAATTAGCCAGCGTTCTCTTTCCCATCATAGAGTACTGTTTTGCAGGCAACACCAACATTGCTT
 AGAAGATTTGGATCTCAGCTTATCAAGTCAACTGTTTTGTGAGCCACTACTTCTCTTCGAGTATTAGCCC
 TTGGTGGTGAAGCGTTTCCATCATTGACAGTTCTCAGAAGCTGGAGAGGAGAAGGCAATAAAACACAAT
 ATTTAATGTTTATGGTATCACAGAGGTATCAAGTTGGGCGACCATTTATAGGATTCAGAGAAGACTCTT
 AACTCTACTCTCAAATGTGAATTGCCTGTACAACCTGGGATTTCCACTTCTTGGAAACAGTAGTTGAAGTCA
 GAGATACTAATGGCTTCACAATTCAGGAAGGCAGTGGCCAAGTATTTTTAGTGCCAGAAAACAGAGTGTG
 TTTTCTTGATGATGAAGTGACAGTACCCTTGGCACAATGCGAGCTACAGGAGACTTTGTGACTGTGAAA
 GATGGAGAGATTTTTTTTTGGGACGAAAAGACAGTCAAGTCAACGTCATGGCAAACGCTTAAACATTG
 AACTTGTGCAACAGGTTGCTGAAGAGCTTCAGCAAAGTGGAGTCTTGTGCAGTTACATGGTATAATCAGGA
 AAAATTAATCTCTTTCATGGTGTCTAAAGATGCTTCAGTAAAAGAATACATCTTTAAAGAAGTGCAGAAA
 TATCTTCAAGTCATGCAGTCCCGGATGAGCTTGTATTGATCGACTCTCTACCATTTACATCCCACGGCA
 AAATTGATGTTTTCTGAGTTAAACAAGATATATTTAACTACATAAACTTGAAGTCTGAGAAATAAGTCAAG
 TGGGAAAAGAGGACCTTTGGGAAAAATTACAGTATTTGTGGAAGTCTACTCTGAATCTCCAGAAAGATCTT
 TTGAGGTTTCTGATGAGTCACTCTTCTTAAATAGTGGTGGAGATTCCTTAAAGTCCATCCGGCTCCTCA
 GTGAGATTGAAAAACTTGTGGTACATCAGTACCTGGGCTTCTGGAAATATTCTCAGCAGTTCCATTTT
 AGAGATTTATAATCACATCCTTCAAACAGTGGTCCAGATGAAGATGTGACATTCAGGAAGAGTTGTGCC
 ACAAAAAGGAACTCAGCGACATTAATCAAGAGGAAGCCAGTGGAAACATCTTTACATCAGAAAGCCATCA
 TGACTTTCCTTGGCACAATGAGATTAATGCTTTTGTGACTGAGCAGAGGGAGTCAAATTTTGTCTCT
 GAATTCCTACTAGTTTTTAAACAAGTTAGGACATTGCTCTTCAGCCTGTCCTTCTGACTCAGTTTCACAG
 ACCAACATTCAAAATTTGAAAGGCTTAAATCTCCAGTCTTATTGGGAAGTCAAAGATCCATCCTGTG
 TTGCAAAAAGTTTCTGAAGAGGGGAAACCTGCGATAGGGACTCAGAAAATGGAGTTACATGTGAGGTGGAG
 GTCAGACACAGGCAAATGTGTAGATGCTTCACCGCTGGTGTAAATACCCACTTTTGATAAGTCATCTACA
 ACTGTGTACATTTGGTTCCATTCTCATAGAATGAAGGCAGTTGACTTTTACTCTGGGAAGGTAATAATGGG
 AACAGATTTTGGGAGATCGAATTGAATCCTCAGCATGTGTATCTAAGTGTGGAACTTTATTGTGGTGGG
 CTGTTATAATGGATTAGTTTATGTTCTGAAAAGTAAATAGTGGAGAAAAACTGGATGTTTACTACTGAA
 GATGCTGTCAAAGCTCGGCAACCATGGATCCAACCACAGGACTCATTACATTGGATCTCATGACCAGC
 ACGCATATGCTTTAGATATTTATAGAAAAGTGTGTTTGGAAAGTCAAATGTGGAGGAACTGTCTTTTC
 CTCTCCGTGTTTGAACCTGATCCACATCATTGTATTTGCTACATTGGGAGGACTTTTACTGGCTGTA
 AATCCTGCTACTGGGAACGTTATTTGGAAACATTCCTGTGGAAAACCACTTCTCTTCCCACAATGTT
 GCTCACAGTATATTTGATTGGCTGTGTAGATGGGAATTTACTCTGCTTTACTCACTTTGGAGAACAGGT
 TTGGCAGTTCTCTACCAGTGGACCAATCTTTTCATCCCGGTGACCTCACCATCAGAGCAAAAAATATTT
 TTTGGTCCCATGATTGCTTTATCTACTGTTGTAACATGAAAGGTCACCTGCAGTGGAAATTTGAAACTA
 CTTCAAGGCTCTATGCAACACCGTTTGTCTTCCATAACTACAATGGCAGCAATGAAATGTTGCTGGCAGC
 AGCATCTACTGATGGAAAGTGTGGATCTTGGAACTCAGAGTGGACAATGCAAAGTGTATGAACTT
 CCTGGAGAAGTCTTCTCTCTCCTGTGGTCTGGAATCAATGCTCATTATTGGGTGTAGAGATAATTATG
 TTTATTGTCTGGATTTATTGGGTGGCAATCAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:



ACCN: NM_001286669

ORF Size: 2835 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001286669.1](#), [NP_001273598.1](#)

RefSeq Size: 3493 bp

RefSeq ORF: 2838 bp

Locus ID: 132949

UniProt ID: [Q4L235](#)

Cytogenetics: 4q12

Protein Pathways: Lysine biosynthesis, Lysine degradation, Metabolic pathways

MW: 105.4 kDa

Gene Summary: This gene encodes a member of the non-ribosome peptide syntesase (NRPS) enzyme family. The encoded protein contains an AMP-binding domain, PP-binding (phosphopantetheine, or pantetheine 4'phosphate-binding) domain and the Pyrrolo-quinoline quinon (PQQ) binding domain. The protein is expressed in several adult tissues. [provided by RefSeq, Apr 2016]