

Product datasheet for **MR224498**

Adssl1 (NM_007421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adssl1 (NM_007421) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adssl1
Synonyms:	Adss; Adss1; AI528595
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224498 representing NM_007421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGGACCCGAGCCTCCAACGACCGCCCCCGGCACAGGGCGGAGTCAAGAGGGGGCGGCTGCAGC
 AGGAGGGCGGCGACAGGCTCCCGCTGACCGTGGTGTCTGGCGCGCAGTGGGGGACGAGGGCAAAGG
 CAAGGTGGTGGACCTGCTGGCCACGGACCCGACATCGTCAGTCGCTGCCAGGGGGCAACAATGCGGGG
 CACACAGTAGTGGTGGACGGCAAGGAGTATGACTTTCACCTGCTCCCCAGCGGCATCATCAACACCAAGG
 CCGTGTCAATTCATTGGCAATGGCGTGGTCCACTTCCCGGGCTTGTGTTGAAGAGGCAGAGAAGAACGA
 GAAGAAAGGGCTGAAGGACTGGGAGAAGCGTCTCATCTCTGACCGGGCTCACCTTGTGTTGACTTC
 CACCAGGCAGTGGACGGCTGCAGGAAGTACAACGTCACGACAAGAGGGGAAGAATATCGGCACCACCA
 AGAAGGGGAATCGACCAACTTACTCTCAAAGCTGCCCGACAGGCCTCCGCATCTGTGACCTTCTCTC
 GGATTTGACGAGTTTTCTGCCAGATTCAGAACCTGGCCACCAGCACCAGTCCATGTTCCCCACCTG
 GAAATAGATGTGGAAGGTCAACTCAAAGGCTCAAGGGCTTTGCTGAGCGCATCAGACCCATGGTTCCGAG
 ATGGTGTCTACTTCATGTATGAAGCCCTGCATGGTCCCCCAAAAAGGTCTGGTGGAAAGGTGCCAACGC
 GGCCCTGCTCGACATCGATTTCCGGACCTACCCCTTTGTGACTTCTTCCAACGACTGTGGGTGGTGTG
 TGCACCGGCTGGGCATCCCGCCCCAGAACATAGGCGATGTGTATGGTGTGGTAAAGGCCTACACCACCC
 GTGTGGCATTGGGGCCTTCCCCACGGAGCAGATCAATGAAATGGAGATCTGCTGCAGAACCGTGGCCA
 TGAGTGGGGGTGACCACAGGCAGGAAGAGGCGCTGCGGCTGGCTGGACCTGATGATCCTCCGATACGCT
 CACATGGTCAATGGCTTCACTGCGCTGGCATTGACCAAGCTGGACATACTGGATGTCCTGAGCGAGATTA
 AAGTTGGCATCTCTACAAGCTCAACGGAAAGAGGATTCCTACTCCCTGCTAACCCAGGAGATCCTGCA
 GAAGGTGGAGGTCGAGTATGAAACACTGCCTGGATGGAAAGCAGACACCACAGGCCAGGAAGTGGGAG
 GACCTGCCTCCGACGGCCAAAGCTACGTGCGCTTCGTGGAGAATCACATGGGTGTTGCAGTCAAATGG
 TCGCGGTTGGGAAGTCCAGAGAGTCCATGATCCAGCTTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224498 representing NM_007421
 Red=Cloning site Green=Tags(s)

MSGTRASNDRPPGTGGVKGRLQQEAAATGSRVTVVLGAQWDEGKGVVDLLATDADIVSRCQGGNNAG
 HTVVVDGKEYDFHLLPSGIINTKAVSFIGNGVVIHLPLGFEEAEKNEKGLKDWEKRLIISDRAHLVDFD
 HQAVDGLQEVQRQAQEGKNIGTTKKGIGPTYSSKAARTGLRICDLLSDFDEF SARFKNLAHQHSMFPTL
 EIDVEGQLKRLKGAERIRPMVRDGVYFMYEALHGPPKVLVEGANAALLDIDFGTYPFVTSSNCTVGGV
 CTGLGIPPQNIQDVYGVVKAAYTRVIGAFPTEQINEIGDLLQNRGHEWVTTGRKRRCGLDLMLRYA
 HVMNGFTALALTKLDILDVLEIKVGISYKLNKRIPYFPANQEILQKVEVEYETLPGWKADTTGARKWE
 DLPPQAQSYVRFVENHMGVAVKWWVGVGKSRESMIQLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9074_h06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007421

ORF Size: 1371 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_007421.2](#), [NP_031447.1](#)

RefSeq Size: 1806 bp

RefSeq ORF: 1374 bp

Locus ID: 11565

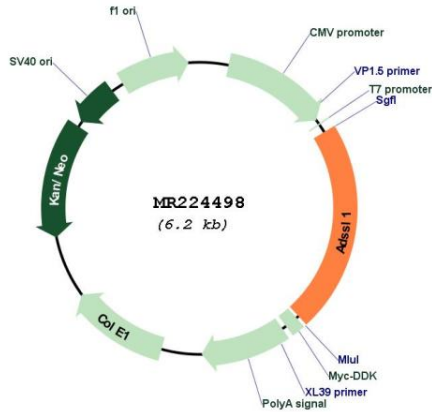
UniProt ID: [P28650](#)

Cytogenetics: 12 F1

MW: 50.3 kDa

Gene Summary: Component of the purine nucleotide cycle (PNC), which interconverts IMP and AMP to regulate the nucleotide levels in various tissues, and which contributes to glycolysis and ammoniogenesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224498