

Product datasheet for **MG224498**

Adssl1 (NM_007421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adssl1 (NM_007421) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adssl1
Synonyms:	Adss; Adss1; AI528595
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224498 representing NM_007421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGGGACCCGAGCCTCCAACGACCGGCCCCCGGCACAGGGGGAGTCAAGAGGGGGCGGCTGCAGC
 AGGAGGGCGCGGACAGGCTCCCGCTGACCGTGGTGTCTGGGCGCAGTGGGGGACGAGGGCAAAGG
 CAAGGTGGTGGACCTGCTGGCCACGGACCCGACATCGTCAGTCGCTGCCAGGGGGCAACAATGCGGGG
 CACACAGTAGTGGTGGACGGCAAGGAGTATGACTTTCACCTGCTCCCGAGCGGCATCATCAACCAAGG
 CCGTGTCAATTCATTGGCAATGGCGTGGTCCACTTCCCGGGCTTGTGTTGAAGAGGCAGAGAAGAACGA
 GAAGAAAGGGCTGAAGGACTGGGAGAAGCGTCTCATCTCTGACCGGGCTCACCTTGTGTTGACTTC
 CACCAGGCAGTGGACGGCTGCAGGAAGTACAACGTCAAGCACAAGAGGGGAAGAATATCGGCACCACCA
 AGAAGGGAAATCGACCAACTTACTCTCAAAGCTGCCCGACAGGCCTCCGCATCTGTGACCTTCTCTC
 GGATTTTGACGAGTTTTCTGCCAGATTCAGAACCTGGCCACCAGCACCAGTCCATGTTCCCCACCTG
 GAAATAGATGTGGAAGGTCAACTCAAAGGCTCAAGGGCTTTGCTGAGCGCATCAGACCCATGGTTGCGAG
 ATGGTGTCTACTTCATGTATGAAGCCCTGCATGGTCCCCCAAAAAGGTCTGGTGGAAAGGTGCCAACGC
 GGCCCTGCTCGACATCGATTTCCGGACCTACCCCTTTGTGACTTCTTCCAAGTGCAGTGTGGTGGTGTG
 TGCACCGGCTGGGCATCCCGCCCCAGAACATAGGCGATGTGTATGGTGTGGTAAAGGCCTACACCACCC
 GTGTGGGCATTGGGGCCTTCCCCACGGAGCAGATCAATGAAATGGAGATCTGCTGCAGAACCGTGGCCA
 TGAGTGGGGGTGACCACAGGCAGGAAGAGGCGCTGCGGCTGGCTGGACCTGATGATCCTCCGATACGCT
 CACATGGTCAATGGCTTCACTGCGCTGGCATTGACCAAGCTGGACATACTGGATGTCTGAGCGAGATTA
 AAGTTGGCATCTCTACAAGCTCAACGGAAAGAGGATTCCTACTCCCTGCTAACCCAGGAGATCCTGCA
 GAAGGTGGAGGTCGAGTATGAAACACTGCCTGGATGGAAGCAGACACCACAGGCCAGGAAGTGGGAG
 GACCTGCCTCCGACGGCCAAAGCTACGTGCGCTTCGTGGAGAATCACATGGGTGTTGCAGTCAAATGG
 TCGCGCTGGGAAGTCCAGAGAGTCCATGATCCAGCTTTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224498 representing NM_007421
 Red=Cloning site Green=Tags(s)

MSGTRASNDRPPGTGGVKGRLQQEAAATGSRVTVVLGAQWDEGKGVVDLLATDADIVSRCQGGNNAG
 HTVVVDGKEYDFHLLPSGIINTKAVSFIGNGVVHLPGLFEEAEKNEKKGLKDWEKRLIISDRAHLVDFD
 HQAVDGLQEVQRQAQEGKNIGTTKKGIGPTYSSKAARTGLRICDLLSDFDEFSARFKNLAHQHSMFPTL
 EIDVEGQLKRLKGAERIRPMVRDGVYFMYEALHGPPKVLVEGANAALLDIDFGTYPFVTSNCTVGGV
 CTGLGIPPQNIQDVYGVVKAYTTRVIGAFPTEQINEIGDLLQNRGHEWGVTTGRKRRCGWLDMILRYA
 HMVNGFTALALTKLDILDVLEIKVGISYKLNKRIPIYFPANQEILQKVEVEYETLPGWKADTTGARKWE
 DLPPQAQSYVRFVENHMGVAVKVVGVGKSRESMIQLF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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

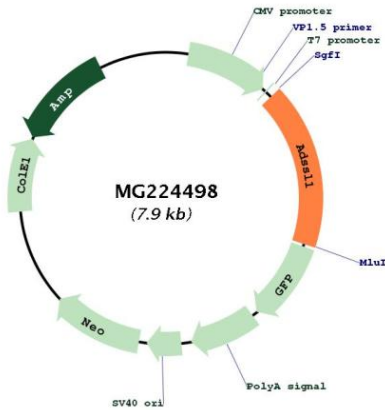
UniProt ID: [P28650](#)

Cytogenetics: 12 F1

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 MG224498