

## Product datasheet for **MC216098**

### Adss (NM\_007422) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adss (NM_007422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adss
Synonyms:	Adss2; AI314886; AS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216098 representing NM\_007422  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGATCTCCGAGAGCAGCCCGCGGCCACCTCCCTGCCAACGGCGACTGTGGCCGCCCCAGGGCGC  
 GGTCCGGAGGGAACCGGTGACTGTGGTCTGGGAGCGCAGTGGGGCGACGAGGGCAAAGGGAAGGTGGT  
 GGATCTACTGGCGCAGGACGCCGACATCGTGTGCCGCTGCCAGGAGGGAATAACGCTGGCCACACAGTT  
 GTCGTAGATTCTGTGGAATATGACTTTCATCTTTTACCTAGTGAATAAATTAACCCAAATGTTACTGCCT  
 TTATCGGAAATGGAGTGGTAATTCATCTTCTGGATTGTTTGAAGAAGCGGAGAAAAATGTTCAGAAGGG  
 AAAAGGTCTAGATGGCTGGGAGAAAAGGCTTATCATATCGGACAGAGCTCATATTGTGTTTGACTTTCAT  
 CAAGCAGCTGATGGTATCCAGGAACAGCAGAGACAAGAGCAAGCAGGAAAAAATTTGGGTACCACGAAAA  
 AGGGGATTGGCCCTGTGTATTCTCTAAAGCTGCTCGGAGTGGACTTCGGATGTGTGATCTTGTCTGA  
 CTTTGATGGCTTCTCTGAGAGGTTCAAAGTTCTAGCTAACCAAGTATAAATCTATATACCCGACTTTGGAA  
 ATAGACATTGAAGGTGAATTACAGCAACTCAAGGGTTATATGGAAGGATTAACCCGATGGTGAAGATG  
 GAGTTTATTTCTATATGAGGCCCTCCATGGACCACCCAAGAAAACTTGGTAGAAGGTGCAAACGCAGC  
 ATTGTTAGATATTGATTTTGAACCTTACCTTTTGAACCTCTTCAAAGTACTGTTGGAGGTGTTTGT  
 ACAGGTTTGGGCATGCCCCCTCAAAATGTTGGAGAAGTATATGGAGTTGTGAAAGCTTACACCACTAGAG  
 TTGGTATTGGTGCCTTTCCACAGAGCAAGACAATGAAATTGGAGAATTATTACAAACACGGGTTAGAGA  
 ATTTGGAGTAAGTACTGGAAGGAAAAGAAGATGCGGCTGGTTGGACCTGTTTCACTCAAATATGCTCAT  
 ATGATCAATGGATTTACTGCGTTGGCCCTTACCAAGTTGGATATTTTGGATGTTTACGGAAATCAAAG  
 TTGGAGTTGCTTACAAATTAGATGGGAAACCATACCTCATTTCAGCAAAACCAAGAAGTCTTAAATAA  
 AGTGAAGTTTCAGTATAAGACTCTCCAGGATGGAACACAGACATATCTAATGCAAGGACATTTAAGGAG  
 CTACCTGTCAACGCACAAAATATGTTCCGTTTATTGAAGATGAGCTTCAAATACCAAGTTAAATGGATTG  
 GTGATAGTAAATCCAGAGAGTCCATGATTCAGCTCTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_007422

**Insert Size:** 1371 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\\_007422.3](#), [NP\\_031448.2](#)

RefSeq Size: 2553 bp

RefSeq ORF: 1371 bp

Locus ID: 11566

UniProt ID: [P46664](#)

Cytogenetics: 1 H4

Gene Summary: Plays an important role in the de novo pathway and in the salvage pathway of purine nucleotide biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP.[UniProtKB/Swiss-Prot Function]