

Product datasheet for **MR220144**

Adss (NM_007422) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR220144 representing NM_007422
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGATCTCCGAGAGCAGCCCGCGCCACCTCCCTGCCAACGGCGACTGTGGCCGCCAGGGCGC
 GGTCCGAGAGGAACCGGTGACTGTGGTCTGGGAGCGCAGTGGGCGCAGGAGGCAAGGGAAGGTGGT
 GGATCTACTGGCCAGGACGCCGACATCGTGTGCCGCTGCCAGGAGGGAATAACGCTGGCCACACAGTT
 GTCGTAGATTCTGTGGAATATGACTTTTCATCTTTTACCTAGTGAATAAATTAACCCAAATGTTACTGCCT
 TTATCGGAAATGGAGTGGTAATTCATCTTCTGGATTGTTTGAAGAAGCGGAGAAAAATGTTCAGAAGGG
 AAAAGGCTAGATGGCTGGGAGAAAAGGCTTATCATATCGGACAGAGCTCATATTGTGTTTGACTTTTCAT
 CAAGCAGCTGATGGTATCCAGGAACAGCAGAGACAAGAGCAAGCAGGAAAAAATTTGGGTACCACGAAAA
 AGGGGATTGGCCCTGTGATTCTCTAAAGCTGCTCGGAGTGGACTTCGGATGTGTGATCTTGTCTGTA
 CTTTGATGGCTTCTCTGAGAGGTTCAAAGTTCTAGCTAACCAAGTATAAATCTATATACCCGACTTTGGAA
 ATAGACATTGAAGGTGAATTACAGCAACTCAAGGGTTATATGGAAAGGATTAACCCGATGGTGAAGATG
 GAGTTTATTTCTATATGAGGCCCTCCATGGACCACCCAAGAAAACTTGGTAGAAGGTGCAAAACGACGC
 ATTGTTAGATATTGATTTTGAACCTTACCTTTTGAACCTCTTCAAAGTACTGTTGGAGGTGTTTGT
 ACAGGTTTGGGCATGCCCTCAAATGTTGGAGAAGTATATGGAGTTGTGAAAGCTTACACCACTAGAG
 TTGGTATTGGTGCCTTTCCACAGAGCAAGACAATGAAATTGGAGAATTATTACAAACACGGGATAGAGA
 ATTTGGAGTAAGTACTGGAAGGAAAAGAAGATGCGGCTGGTTGGACCTGTTTCACTCAAATATGCTCAT
 ATGATCAATGGATTTACTGCGTTGGCCCTTACCAAGTTGGATATTTTGGATATGTTTACGGAAATCAAAG
 TTGGAGTTGCTTACAAATTAGATGGGAAACCATACCTCATTTCAGCAACCAAGAAGTCTTAATAA
 AGTGAAGTTTCAAGTATAAGACTCTCCAGGATGGAACACAGACATATCTAATGCAAGGACATTTAAGGAG
 CTACCTGTCAACGCACAAAATATGTTCCGTTTATTGAAGATGAGCTTCAAATACCAAGTTAAATGGATTG
 GTGTAGGTAATCCAGAGAGTCCATGATTCAGCTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220144 representing NM_007422
 Red=Cloning site Green=Tags(s)

MSISESSPAATSLPNGDCGRPRARSGGNRVTVVLGAQWDEGKGVVDLLAQDADIVCRCQGGNNAGHTV
 VVDSVEYDFHLLPSGIINPNVTAFIGNGVVIHLPLGFEEAEKNVQKKGKLDGWEKRLIISDRAHIVDFH
 QAADGIQEQRQEQAGKNLGTTKKIGIPVYSSKAARSGLRMC DLVSDFDGFSERFKVLANQYKSIYPTLE
 IDIEGELQQLKGYMERIKPMVKDGVYFLYEALHGPPKILVEGANAALLDIDFGTYPFVTSNCTVGGVC
 TGLMPPQNVGEVYGVVKAYTTRVIGAFPTQDNEIGELLQTRGREFVTTGRKRRCGWLDLVSLKYAH
 MINGFTALALTKLDILDMFTEIKVGVAYKLDGETIPHFPANQEVLNKVEVQKTLPGWNTDISNARTFKE
 LPVNAQNYVRFIEDELQIPVKWIGVKSRESMIQLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9044_g01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007422

ORF Size: 1368 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_007422.3](#), [NP_031448.2](#)

RefSeq Size: 2553 bp

RefSeq ORF: 1371 bp

Locus ID: 11566

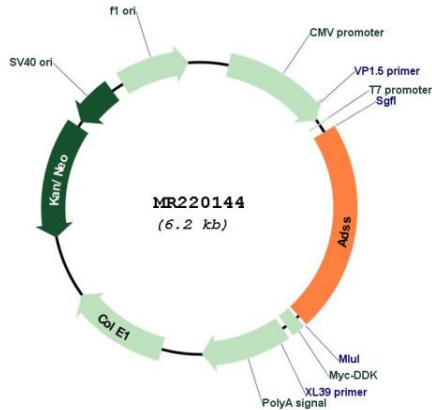
UniProt ID: [P46664](#)

Cytogenetics: 1 H4

MW: 50.5 kDa

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]

Product images:



Circular map for MR220144