

## Product datasheet for **MR230854**

### Adam32 (NM\_001293693) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam32 (NM_001293693) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR230854 representing NM\_001293693  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTGGGCGCCATGCTGCACACTGCTGCTGCTGCTGCTGGCCGAGCTGGGGCCTTGTGGCATCAG  
GACCCGAGTCTCAAAGTTCATTTCTAGAAATCATATTTCCAGAGAAAATTGAAGATAAAACACACTCAGA  
AGAACAGATATCCTATATTATTCCAATAAAACAAGAAGCAGTACACTGTGCACCTCCAGAAAAGATATTTT  
TTAACGAATCGTTTTATGGTTTTATGTATAATCAAGGATCTACAAGTTTTATTCTCCAAACATTCGGG  
CTCAGTGTCTATTCAAGGACACATCAAAGGCTACCCGAAGTCTGCGCCACCCTCAGCACATGCTCTGG  
ACTGAGAGGGTTCCTGCAGTTTGAAGTGTGTCTACGGAATTGAGCCTCTGCAATCTGCATTTACATCT  
CAACACATTGTTTATAAGCTAGGGAACAAAGAGAAGGAGTTGATATTTAACAAAAACAGCAGAAACATAG  
AGATGCCTACAACTATGGCATTATAATCAACAAAAAGCCAAAATCACCTTTTAAAAACTGTTTCCCT  
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ACAAATAAAATCATTGAAATTATCAGTCTTATAAATTCAGTGTTTGCCCAACTCAAGTTACTATCGTGT  
TGTCTCATTGGAGTTGTGGTCAGATAAGAATAAGATTCTACAGTTGGTGAAGCAGATGAATTATTGCA  
TAAATTTCTAGAATGGAAGCAGGCTACCTTACCCTAAGACCTCATGATGTTGCATATCTATTCTTTAT  
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TCACAATGTACCCAAAGGATATGACCTTGGAGGCTTTTCGGTTATTCTCACCCAAATGCTGGGGCTCAG  
TCTGGGGATATCGTATGATGAGCCTGAGAAATGCTACTGCTCGGAATCCATCTGCATCATGAATCCCAGG  
GCGATGCAATATGGAGGTGTGAAGTCAATAGCAATTGCAGTTTGAATGACTTTGAACATTTTAAATCGA  
ACGAGGTGCCAAATGTCTGCAGAATAAGCCACAGATGCAAAGGACTGCAGCAGCGGTCTGCGGAAATGG  
CAAGGTGGAGGGTATGAAATTTGTGACTGTGGCTCTGAAGCAGAATGTGGGCCTGATAGCTGTTGTGAA  
CCTAACAGATGTGTTCTGAAAGCAGGAAGACTTGTGACAGTAAGTCTCCCTCATCAACATGCTGCAAAA  
ATTGTCAATTTTTACCAGAAAAACATCAATGTAGGCCGAAAAGCATCTATACTGTGACATTCCTGAAGT  
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GGGACTATCTGTTATAATGGAGACTGTCCGACCTGGACAGGGTGTGCGAGTCAATATATGGAGCAGGT  
CAGTGAATGCTCCATTTGCCTGCTATGAAGAAATCCAGGGCCAAAATGATAGTTTGGCAACTGTGGCAA  
AGACAACCGAAACAGATATGTGTTCTGTGGATGGAGGAATCTCATATGTGGGAGATTGATTTGTACGTAC  
CCTACCCGAATGCCTTACAACCCACCAATAACAGTACAGCTTCTGTGATCTATGCTTTTGTGCGAGACA  
AAGTGTGTATAACTGTGGACTTTGGATCGAGTGTCAAAGAAGATCCACTCAGGGTTGCTAATGGTGTAC  
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ACGTGTTTATCAAGTGCACGGGAACGGAAAGCAAAATCAGAAGACAGCACTTACACGTATGTCAGCAGG  
TGAGTTTATTAAGACGGTGTGAAGAGACATGTTGAAAATGAACATCATAAATTCAGCCGATCAACTT  
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230854 representing NM\_001293693  
 Red=Cloning site Green=Tags(s)

MLGAMLHTLLLLLAE L GALLASGPESQSSFL E I I FPEKIEDKTHSEEQISYIIPINKKQYTVHLQKRYF  
 LTNRFMVVMYVYQGSTSFHSPNIP AQCY Y QGH I K GYPNSVATLSTCSGLRGFLQFENVSYGIEPLQSAFTS  
 QHIVYKLG NKEKELIFNKNSRNIEMPTNYGILINKKPKSPFKNLFPLYLEMSIVVDKALYDYLGSDSNIV  
 TNKIEI I I S L I N S V F A Q L K V T I V L S S L E L W S D K N K I P T V G E A D E L L H K F L E W K Q A Y L T L R P H D V A Y L F I Y  
 N E Y P N Y M G A T Y P G M C T A H Y S A G I T M Y P K D M T L E A F S V I L T Q M L G L S L G I S Y D E P E K C Y C S E S I C I M N P R  
 A M Q Y G G V K S F S N C S L N D F E H F K S N E G A K C L Q N K P Q M Q R T A A A V C G N G K V E G D E I C D C G S E A E C G P D S C C E  
 P N R C V L K A G R A C D S K S P S S T C C K N C Q F L P E K H Q C R P E K H L Y C D I P E V C N G S S G N C P P D V T I N N G H V C K E S  
 G T I C Y N G D C P D L D R V C E S I Y G A G S V N A P F A C Y E E I Q G Q N D R F G N C G K D N R N R Y V F C G W R N L I C G R L I C T Y  
 P T R M P Y N P P N N S T A S V I Y A F V R D K V C I T V D F G S S V K E D P L R V A N G A T C D L D R I C L N G V C V E S R F L R D Q S K  
 T C S S K C H G N G K Q I R R Q H L H V C Q Q V S S L K D G V K R H V E N E H H N F Q P I N F

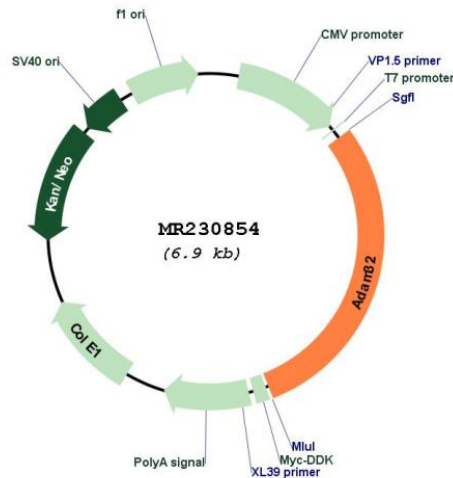
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001293693

**ORF Size:** 2031 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\\_001293693.1](#), [NP\\_001280622.1](#)

RefSeq Size: 2247 bp

RefSeq ORF: 2034 bp

Locus ID: 353188

UniProt ID: [Q8K410](#)

Cytogenetics: 8 A2

MW: 76.4 kDa

**Gene Summary:** This gene encodes a member of the disintegrin family of membrane-anchored proteins that play a role in diverse biological processes such as brain development, fertilization, tumor development and inflammation. The encoded protein undergoes proteolytic processing to generate a mature polypeptide comprised of an metalloprotease, disintegrin and epidermal growth factor-like domains. This gene was found to be expressed predominantly in the pachytene spermatocytes, where the processed protein is localized to the sperm surface. This gene is located in a cluster of other disintegrin and metallopeptidase family genes on chromosome 8. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015]