OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR210459

Adam32 (NM_153397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam32 (NM_153397) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210459 representing NM_153397
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGCGCCATGCTGCACACACTGCTGCTGCTGCTGGCCGAGCTGGGGGCCTTGCTGGCATCAG
GACCCGAGTCTCAAAGTTCATTTCTAGAAATCATATTTCCAGAGAAAATTGAAGATAAAACACACTCAGA
AGAACAGATATCCTATATTATTCCAATAAACAAGAAGCAGTACACTGTGCACCTCCAGAAAAGATATTTT
TTAACGAATCGTTTTATGGTTTATATGTATAATCAAGGATCTACAAGTTTTCATTCTCCAAACATTCCGG
CTCAGTGCTATTATCAAGGACACATCAAAGGCTACCCGAACTCAGTCGCCACCCTCAGCACATGCTCTGG
ACTGAGAGGGTTCCTGCAGTTTGAGAATGTGTCCTACGGAATTGAGCCTCTGCAATCTGCATTTACATCT
CAACACATTGTTTATAAGCTAGGGAACAAAGAGAAGGAGTTGATATTTAACAAAAACAGCAGAAACATAG
AGATGCCTACAAACTATGGCATTTTAATCAACAAAAAGCCAAAATCACCTTTTAAAAACTTGTTTCCCCT
CTATCTAGAGATGAGTATTGTGGTGGACAAAGCGCTGTATGATTACTTGGGCTCTGACAGCAATATTGTA
ACAAATAAAATCATTGAAATTATCAGTCTTATAAATTCAGTGTTTGCCCAACTCAAGGTTACTATCGTGT
TGTCCTCATTGGAGTTGTGGTCAGATAAGAATAAGATTCCTACAGTTGGTGAAGCAGATGAATTATTGCA
TAAATTTCTAGAATGGAAGCAGGCCTACCTTACCCTAAGACCTCATGATGTTGCATATCTATTCATTTAT
AACGAGTACCCAAATTACATGGGAGCAACGTATCCTGGGAAGATGTGTACTGCCCACTACTCTGCAGGAA
TCACAATGTACCCCAAGGATATGACCTTGGAGGCCTTTTCGGTTATTCTCACCCAAATGCTGGGGCTCAG
TCTGGGGATATCGTATGATGAGCCTGAGAAATGCTACTGCTCGGAATCCATCTGCATCATGAATCCCAGG
GCGATGCAATATGGAGGTGTGAAGTCATTTAGCAATTGCAGTTTGAATGACTTTGAACATTTTAAATCGA
ACGAGGGTGCCAAATGTCTGCAGAATAAGCCACAGATGCAAAGGACTGCAGCAGCGGTCTGCGGAAATGG
CAAGGTGGAGGGTGATGAAATTTGTGACTGTGGCTCTGAAGCAGAATGTGGGCCTGATAGCTGTTGTGAA
CCTAACAGATGTGTTCTGAAAGCAGGAAGAGCTTGTGACAGTAAGTCTCCCTCATCAACATGCTGCAAAA
ATTGTCAATTTTTACCAGAAAAACATCAATGTAGGCCGGAAAAGCATCTATACTGTGACATTCCTGAAGT
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CAGTGAATGCTCCATTTGCCTGCTATGAAGAAATCCAGGGCCAAAATGATAGGTTTGGCAACTGTGGCAA
AGACAACCGAAACAGATATGTGTTCTGTGGATGGAGGAATCTCATATGTGGGAGATTGATTTGTACGTAC
CCTACCCGAATGCCTTACAACCCACCCAATAACAGTACAGCTTCTGTGATCTATGCTTTTGTGCGAGACA
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ACGTGTTCATCCAAGTGCCACGGGAACGGAGTGTGCAATTCTCATGGTGTCTGCCACTGCAATGCCGGCT
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GCCCATGGAAAGAGCATCTAAGAACCAAGAAAAGAAGTGGCTTTTAAGTTTGTACATTGTCTTAATTATC
CTCGCTTCAGTGTTCCTCATAGGCACAGGGTGGAAAGGCTTGAAACAGTGCGGTTCCAAGGAAGAGGAGT
CCATGAGTAGCGAAAGCAAATCAGAAGACAGCACTTACACGTATGTCAGCAGATCAACTTCTGAGACAAG
CAGTATGACATCTACGAGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210459 representing NM_153397
Red=Cloning site Green=Tags(s)

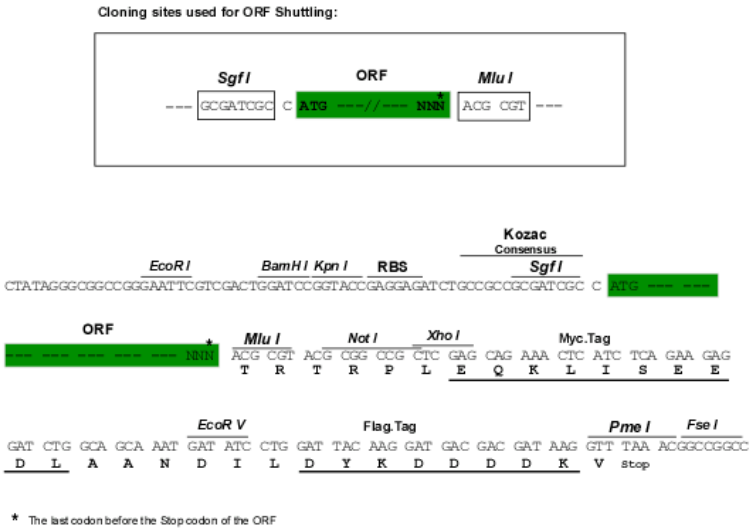
MLGAMLHTLLLLLLAELGALLASGPESQSSFLEIIFPEKIEDKTHSEEQISYIIPINKKQYTVHLQKRYF
LTNRFMVYMYNQGSTSFHSPNIPAQCYYQGHIKGYPNSVATLSTCSGLRGFLQFENVSYGIEPLQSAFTS
QHIVYKLGNKEKELIFNKNSRNIEMPTNYGILINKKPKSPFKNLFPLYLEMSIVVDKALYDYLGSDSNIV
TNKIIEIISLINSVFAQLKVTIVLSSLELWSDKNKIPTVGEADELLHKFLEWKQAYLTLRPHDVAYLFIY
NEYPNYMGATYPGKMCTAHYSAGITMYPKDMTLEAFSVILTQMLGLSLGISYDEPEKCYCSESICIMNPR
AMQYGGVKSFSNCSLNDFEHFKSNEGAKCLQNKPQMQRTAAAVCGNGKVEGDEICDCGSEAECGPDSCCE
PNRCVLKAGRACDSKSPSSTCCKNCQFLPEKHQCRPEKHLYCDIPEVCNGSSGNCPPDVTINNGHVCKES
GTICYNGDCPDLDRVCESIYGAGSVNAPFACYEEIQGQNDRFGNCGKDNRNRYVFCGWRNLICGRLICTY
PTRMPYNPPNNSTASVIYAFVRDKVCITVDFGSSVKEDPLRVANGATCDLDRICLNGVCVESRFLRDQSK
TCSSKCHGNGVCNSHGVCHCNAGYSPPNCQYPTTKRSASLWSGKHDLPMERASKNQEKKWLLSLYIVLII
LASVFLIGTGWKGLKQCGSKEEESMSSESKSEDSTYTYVSRSTSETSSMTSTSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153397

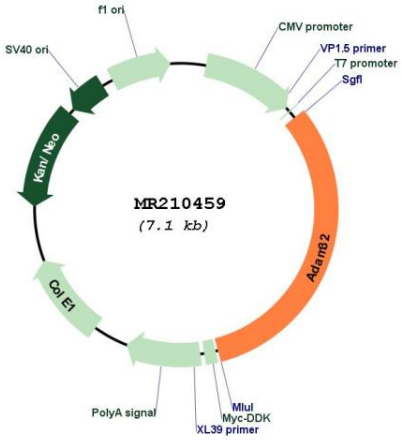
ORF Size: 2262 bp

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_153397.2, NP_700446.2
RefSeq Size:	2447 bp
RefSeq ORF:	2265 bp
Locus ID:	353188
UniProt ID:	Q8K410
Cytogenetics:	8 A2
MW:	84.4 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]

Product images:



Circular map for MR210459