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Product datasheet for MC228643

Adam32 (NM_001293693) Mouse Untagged Clone

Product data:

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

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Fully Sequenced ORF:

>MC228643 representing NM_001293693
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGCGCCATGCTGCACACACTGCTGCTGCTGCTGGCCGAGCTGGGGGCCTTGCTGGCATCAG
GACCCGAGTCTCAAAGTTCATTTCTAGAAATCATATTTCCAGAGAAAATTGAAGATAAAACACACTCAGA
AGAACAGATATCCTATATTATTCCAATAAACAAGAAGCAGTACACTGTGCACCTCCAGAAAAGATATTTT
TTAACGAATCGTTTTATGGTTTATATGTATAATCAAGGATCTACAAGTTTTCATTCTCCAAACATTCCGG
CTCAGTGCTATTATCAAGGACACATCAAAGGCTACCCGAACTCAGTCGCCACCCTCAGCACATGCTCTGG
ACTGAGAGGGTTCCTGCAGTTTGAGAATGTGTCCTACGGAATTGAGCCTCTGCAATCTGCATTTACATCT
CAACACATTGTTTATAAGCTAGGGAACAAAGAGAAGGAGTTGATATTTAACAAAAACAGCAGAAACATAG
AGATGCCTACAAACTATGGCATTTTAATCAACAAAAAGCCAAAATCACCTTTTAAAAACTTGTTTCCCCT
CTATCTAGAGATGAGTATTGTGGTGGACAAAGCGCTGTATGATTACTTGGGCTCTGACAGCAATATTGTA
ACAAATAAAATCATTGAAATTATCAGTCTTATAAATTCAGTGTTTGCCCAACTCAAGGTTACTATCGTGT
TGTCCTCATTGGAGTTGTGGTCAGATAAGAATAAGATTCCTACAGTTGGTGAAGCAGATGAATTATTGCA
TAAATTTCTAGAATGGAAGCAGGCCTACCTTACCCTAAGACCTCATGATGTTGCATATCTATTCATTTAT
AACGAGTACCCAAATTACATGGGAGCAACGTATCCTGGGAAGATGTGTACTGCCCACTACTCTGCAGGAA
TCACAATGTACCCCAAGGATATGACCTTGGAGGCCTTTTCGGTTATTCTCACCCAAATGCTGGGGCTCAG
TCTGGGGATATCGTATGATGAGCCTGAGAAATGCTACTGCTCGGAATCCATCTGCATCATGAATCCCAGG
GCGATGCAATATGGAGGTGTGAAGTCATTTAGCAATTGCAGTTTGAATGACTTTGAACATTTTAAATCGA
ACGAGGGTGCCAAATGTCTGCAGAATAAGCCACAGATGCAAAGGACTGCAGCAGCGGTCTGCGGAAATGG
CAAGGTGGAGGGTGATGAAATTTGTGACTGTGGCTCTGAAGCAGAATGTGGGCCTGATAGCTGTTGTGAA
CCTAACAGATGTGTTCTGAAAGCAGGAAGAGCTTGTGACAGTAAGTCTCCCTCATCAACATGCTGCAAAA
ATTGTCAATTTTTACCAGAAAAACATCAATGTAGGCCGGAAAAGCATCTATACTGTGACATTCCTGAAGT
CTGCAATGGGAGCTCAGGAAATTGTCCACCTGATGTAACTATAAACAATGGGCATGTTTGCAAAGAAAGC
GGGACTATCTGTTATAATGGAGACTGTCCGGACCTGGACAGGGTGTGCGAGTCAATATATGGAGCAGGTT
CAGTGAATGCTCCATTTGCCTGCTATGAAGAAATCCAGGGCCAAAATGATAGGTTTGGCAACTGTGGCAA
AGACAACCGAAACAGATATGTGTTCTGTGGATGGAGGAATCTCATATGTGGGAGATTGATTTGTACGTAC
CCTACCCGAATGCCTTACAACCCACCCAATAACAGTACAGCTTCTGTGATCTATGCTTTTGTGCGAGACA
AAGTGTGTATAACTGTGGACTTTGGATCGAGTGTCAAAGAAGATCCACTCAGGGTTGCTAATGGTGCTAC
ATGTGATCTTGATAGGATCTGCTTAAATGGCGTGTGCGTAGAATCGAGATTTCTTAGGGATCAATCAAAA
ACGTGTTCATCCAAGTGCCACGGGAACGGAAAGCAAATCAGAAGACAGCACTTACACGTATGTCAGCAGG
TGAGTTCATTAAAAGACGGTGTGAAGAGACATGTTGAAAATGAACATCATAACTTTCAGCCGATCAACTT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001293693

Insert Size: 2034 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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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
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] Transcript Variant: This variant (2) lacks two coding exons and uses an alternate splice junction at the 3' end of a coding exon compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. This isoform (2) may undergo proteolytic processing similar to isoform 1.

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