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Product datasheet for MR217277

Adam33 (NM_033615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam33 (NM_033615) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam33
Synonyms:	Adaml
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR217277 representing NM_033615
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTCGAGGTGCGGGAGACCCGGGGGGTCTCCGGTGCTGCTATTGCTGCCGCTGTTGCTGCCCTCGT
GTCCGCTGCGGAGCGCTCGGATGTTTCCAGGAAATGCCCATGGAGAGCTAGTCACTCCCCACTGGATCCT
GGAGGGCAGACTCTGGCTCAAGGTCACCCTGGAGGAGCCGATCTTGAAGCCTGACTCGGTGCTGGTGGCT
TTAGAGGCTGAAGGCCAGGATCTCCTGCTTGAACTGGAGAAGAAGCACAAGCTTCTGGCCCCAGGATACA
CAGAAACCCACTACAGGCCAGATGGGCATCCGGTAGTGCTGTCCCCCAACCACACGGATCATTGCCAATA
TCACGGGCGTGTGAGGGGCTTCCGGGAATCCTGGGTGGTTCTCAGCACCTGCTCTGGGATGAGTGGCCTT
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CCCACGAGATCTTCCGGATGGAGCAGTTGTTCACCTGGAGAGGGGTCCAGAGAGACAAGAACTCCCAATA
CAAAGCAGGAATGGCCAGTCTTCCTCATGTCCCCCAGAGCCGGGTGAGGCGAGAGGCGCGCAGGAGTCCC
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GCCGCACCTTCCAGGGTACCACGGTGGGCCTGGCACCTGTGGAGGGCATATGCCGCGCGGAGAGCTCCGG
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CCTGTTAAAGTCCGCGGGCACGCCTTGTCGTCCTGCTGCGACTGACTGCGATCTCCCCGAGTTCTGCACC
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GGCCCCAGAGCCATGTTTCCAGCAGATGAACTCCATGGGGAATTCGCAAGGGAACTGTGGCCAGGACCAC
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GCTTGACTGCCTGCCATAACGGTGGGGTTTGCAATAGCAATCGTAACTGTCACTGTGCTGCTGGCTGGGC
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GATGCCTTCCCCTTGGCCATGCTCCTCAGCTTCCTGCTGCCTCTGCTCCCTGGGGCTGGCCTAGCCTGGT
GCTACTACCAGCTCCCAACATTCTGTCATCGAAGGGGACTGTGCTGCAGGAGGGACCCCCTATGGAATAG
AGACATACCCCTGGGCAGTGTGCATCCGGTGGAGTTTGGCTCCATCATCACTGGAGAGCCCTCGCCCCCT
CCCCCATGGACCTCTTGCCAACAGCGTTCGCACCCTCCATCTCTTGACTTGCTCTCAGACCCTGCGAACT
CTGAGCTTACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217277 representing NM_033615
Red=Cloning site Green=Tags(s)

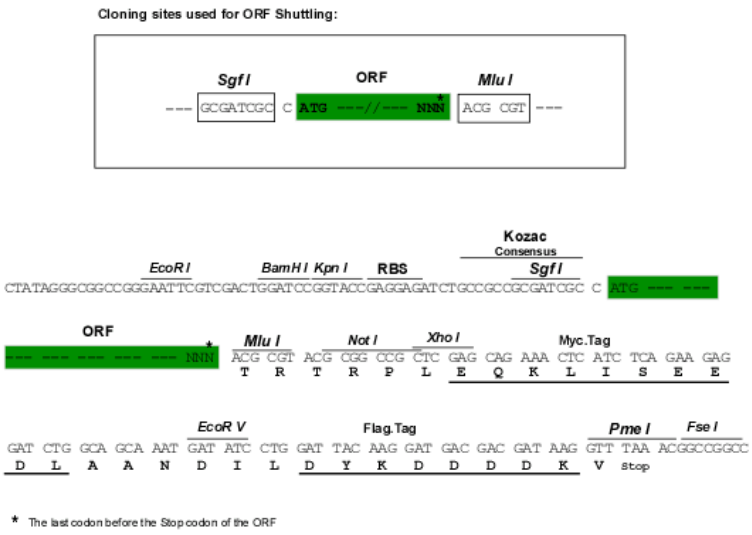
MGSRCGRPGGSPVLLLLPLLLPSCPLRSARMFPGNAHGELVTPHWILEGRLWLKVTLEEPILKPDSVLVA
LEAEGQDLLLELEKKHKLLAPGYTETHYRPDGHPVVLSPNHTDHCQYHGRVRGFRESWVVLSTCSGMSGL
IVLSSKVSYYLQPRTPGDTKDFPTHEIFRMEQLFTWRGVQRDKNSQYKAGMASLPHVPQSRVRREARRSP
RYLELYIVADHTLFLLQHQNLNHTRQRLLEVANCVDQILRTLDIQLVLTGLEVWTEQDLSRITQDANETL
WAFLQWRRGVWARRPHDSTQLLTGRTFQGTTVGLAPVEGICRAESSGGVSTDHSELPIGTAATMAHEIGH
SLGLHHDPEGCCVQADAEQGGCVMEAATGHPFPRVFSACSRRQLRTFFRKGGGPCLSNTSAPGLLVLPSR
CGNGFLEAGEECDCGSGQKCPDPCCFAHNCSLRAGAQCAHGDCCARCLLKSAGTPCRPAATDCDLPEFCT
GTSPYCPADVYLLDGSPCAEGRGYCLDGWCPTLEQQCQQLWGPGSKPAPEPCFQQMNSMGNSQGNCGQDH
KGSFLPCAQRDALCGKLLCQGGEPNPLVPHIVTMDSTILLEGREVVCRGAFVLPDSHLDQLDLGLVEPGT
GCGPRMVCQDRHCQNATSQELERCLTACHNGGVCNSNRNCHCAAGWAPPFCDKPGLGGSVDSGPAQSANR
DAFPLAMLLSFLLPLLPGAGLAWCYYQLPTFCHRRGLCCRRDPLWNRDIPLGSVHPVEFGSIITGEPSPP
PPWTSCQQRSHPPSLDLLSDPANSELT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1309_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_033615
ORF Size:	2391 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_033615.3, NP_291093.2

RefSeq Size: 3165 bp

RefSeq ORF: 2394 bp

Locus ID: 110751

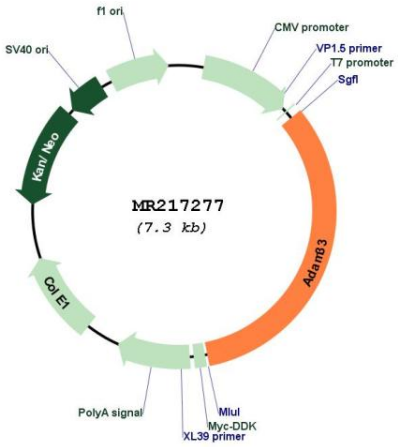
UniProt ID: Q923W9

Cytogenetics: 2 63.26 cM

MW: 87.4 kDa

Gene Summary: This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. This gene is widely expressed, most highly in the adult brain, heart, kidney, lung and testis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing. [provided by RefSeq, May 2016]

Product images:



Circular map for MR217277