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 MG216233

Adam26a (NM_010085) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Adam26a
Synonyms:	Adam; Adam26; Dtgn; Dtgn4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG216233 representing NM_010085
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCCTTAAGTTCTGCCTGTGGACGATGTTCTTCTTCTCTGCATGGTCACCAATTGGACATGCTAAGT
ACAGTAGCCTTCTAGAAGTAGTGACACCCTTGAGGGTCACTGTCACTAGAGGAAATAATATTTCACCAGG
TTGGCTGTCCTATAGCCTGAACATTGGGGGGCAGAGGCACATAATCACTATGAAACCCAAGAAAAACTTG
ATATCCAGAAACTTCTTATTATTCACTTATAGTGACCAAGGTGATCTCCTTGAACAACACCATTTTGTGC
AGAATGACTGCTATTACCATGGCTATGTGGATGAAGACCTAGAGTCCCCGGTCATTGTCAACACCTGTTT
TGGAAGTTTGCAAGGCACACTAGAGATAAATGGCACAAGTTATGAAATCATGCCCAAGAGCTCAACGTCA
ACATTTGAACATCTGGTTTACAAAATGGACAGTGGGGATTCAGAATCATCTCCCATGAGATGTGGGTTAT
CAGAAGAGGAAACAGCACAACAAACGAAGCTACAAGAAAGCAATGCCCCCACACTTTTACAAATTCCCTA
TGAGAATTGGTGGACCCACCACAGGTTTATTGAATATTTTGTAGTACTAGACCATAAACAATATGTTCAT
AGAAATAACAATATCACAACTTGTATTCAAGATATGTTGCAAATAGTCAATGGAGTAAATGGTTATTATC
TTCAAATAGATACTGATGTGGTTTTAACCACTCTTGAAGTATGGAATGAAAAAAACTATATCAATGTAGA
ACTCAGTATATTTAAAGTCCTTGGTGATTTCTGTACTTGGAAGCAAAACATGTTTGGCAATCGCATTAGA
CATGATATCATACACCTTTTAGTCAGACAGGGATATGGTTTATATTTAGGGTTAGCTTATTTAGCTGACG
TTTGTACACCTTATAATTGTGGAGTTAGCAGTGTCCTTTCTGATGTAATGTCAGACATGGCACACATTGT
AGCACACGAGATGGGGCATAACTTCGGTATGAAACATGATGGAATTGGATGTACTTGTGGGTTAAAAGAC
TGTCTAATGGCCCCATATAAAACAAATTCTCCAAAATTCAGCAACTGTAGTTATGAAGAAATGTATTCAG
TTGTTACCAAACGAAGTTGCTTATATGATATTCCAGAAGCACTAGTAACAAACCTGACCGTGTGTGGGAA
TAAGGTGGTTGAAGAAGGAGAGCAGTGTGATTGTGGGAACTCTGAATCCTGTTTACAAGATCCTTGCTGT
AGCAGCGACTGTGTTCTCAAACCTGGTGCTCAATGTGCTTTTGGACTTTGTTGCAAAAATTGCCAGTTCC
TTAAAGCAGGCACTGTGTGTAGAAAAGAGAAAAATGAGTGTGACCTTCCAGAGTGGTGCAATGGAACTTC
AGCTGAGTGTCCAGGAGATGTGTATAAAGCAGACGGAATCCCTTGCAGTGGTGAGGGCTATTGCTATAAA
ATGGAATGTCATCAACGTGATGAGCAGTGTCGGAAGATTTTTGGCAATGGAAGTAGAAGTGCAGATGAAA
TTTGCTACATGGAAATGAACAGACAGGGTGACCGCTTTGGGAACTGTGGCAATGATAGCTCTACATATAG
AACATGCCAAATTGCTGATGTACTCTGTGGGCAAATTCAGTGTGAGAATGTGATACAACTTCCCCAAAGG
AGAAACCATGAAACAGTGCATTATACTCACTTCAGTAATATCACCTGCTGGACTATGGACTATCATTTTG
GGATCACCATAGATGATATTGGAGCTGTGAGCGATGGCACAGCTTATGCTCCAGACCATATATGTGTTGA
CAGAAAGTGTGTCAGCAAGTCTGTTCTGGTAAGTAACTGTTCACCACAGTTATACCATATGCAAGGAATC
TGCAATAATAAACAACACTGCCATTGTGGTGTCACATGGAAACCACCAGACTGTCAAAAACGTGGCCATG
GAGGTAGTATAGACAGTGGACCACCTCCATTGCCTTTATCTCATTCCAAATGGATTGTGTACATCCTTAT
TGTTTTAGATGTGTGTATTGTTATCATAATTTATTTATTTTCTTTTTATAAGTTAAGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

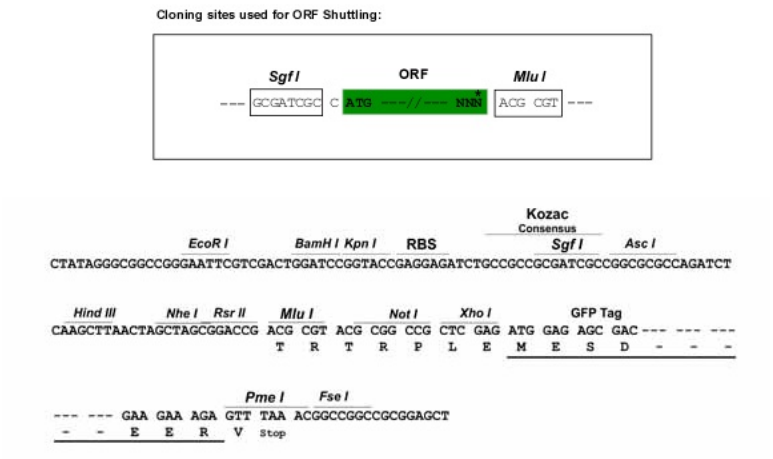
>MG216233 representing NM_010085
Red=Cloning site Green=Tags(s)

MFLKFCLWTMFFFSAWSPIGHAKYSSLLEVVTPLRVTVTRGNNISPGWLSYSLNIGGQRHIITMKPKKNL
ISRNFLLFTYSDQGDLLEQHHFVQNDCYYHGYVDEDLESPVIVNTCFGSLQGTLEINGTSYEIMPKSSTS
TFEHLVYKMDSGDSESSPMRCGLSEEETAQQTKLQESNAPTLLQIPYENWWTHHRFIEYFVVLDHKQYVH
RNNNITTCIQDMLQIVNGVNGYYLQIDTDVVLTTLEVWNEKNYINVELSIFKVLGDFCTWKQNMFGNRIR
HDIIHLLVRQGYGLYLGLAYLADVCTPYNCGVSSVLSDVMSDMAHIVAHEMGHNFGMKHDGIGCTCGLKD
CLMAPYKTNSPKFSNCSYEEMYSVVTKRSCLYDIPEALVTNLTVCGNKVVEEGEQCDCGNSESCLQDPCC
SSDCVLKPGAQCAFGLCCKNCQFLKAGTVCRKEKNECDLPEWCNGTSAECPGDVYKADGIPCSGEGYCYK
MECHQRDEQCRKIFGNGSRSADEICYMEMNRQGDRFGNCGNDSSTYRTCQIADVLCGQIQCENVIQLPQR
RNHETVHYTHFSNITCWTMDYHFGITIDDIGAVSDGTAYAPDHICVDRKCVSKSVLVSNCSPQLYHMQGI
CNNKQHCHCGVTWKPPDCQKRGHGGSIDSGPPPLPLSHSKWIVYILIVLDVCIVIIIYLFSFYKLSK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010085

ORF Size: 2091 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_010085.3, NP_034215.2

RefSeq Size: 2510 bp

RefSeq ORF: 2094 bp

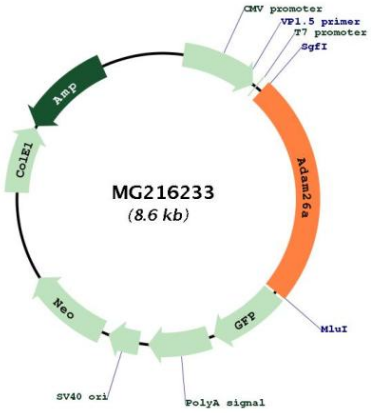
Locus ID: 13525

UniProt ID: Q9R158

Cytogenetics: 8 A4

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 expressed in a regulated fashion during the late stages of spermatogenesis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. This gene is located adjacent to two other ADAM genes on chromosome 8. [provided by RefSeq, May 2016]

Product images:



Circular map for MG216233