

Product datasheet for **MR216210**

Adam1b (NM_172125) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Adam1b
Synonyms:	Adam1; Ftna
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR216210 representing NM_172125
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCGACTAAAGCTGGGAAAAATCCCAGAGCACTGGTGTATCAGGCTGGTGGCCATGTTGCTCTTGG
 CAATAATTTTCTCCCGAGCACGTTCTGTGACATTGGATCTGTATATAATTCTTCTATGAAACTGTCAT
 CCCTGAGAGACTGCCAGGCAAGGGGGGAAAGACCCTGGAGGGAAGGTGTCTACATGCTATTGATGCAA
 GGCCAAAAGCAGCTGCTTCACTCGAGGTAAGGGGACACTACCCTGAGAATAAATCCCAGTCTACAGTT
 ACCACAATGGCATCCTGAGGCAAGAAATGCCTCTCCTCTCCAGGACTGCCACTATGAAGGCTACATGGA
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 GAAGCCCGATGACCTACTGGTCTGACTGACTGGTGGTCACACCAAGTATGTGGAGATGTTTGTGGTG
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 GAGAACTCGTGGCCGGGTGAGGCACGATGTGGCACACTTGATCGTGGGCATCGCCAGGAGAGAAGC
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 AGATGTCTCTGTTCGCGGCTCTCATGGCCACGAGCTCGGGCACAACCTGGGTATCCAGCACGACCAC
 CCGACCTGCACCTGTGGTCCCAAGCACTTCTGCCTCATGGGTGAGAAGATCGGTAAGGACAGTGGCTTCA
 GCAACTGCAGCTCTGACCACTTCTCCGTTTCTCCAGCACAGAGGGGTGTGCTGTCTGATGAGCC
 TGGGCGCCAGAGCCGATGCGCAGAGCTGCCAATTGTGGGAATGGTGTGGTGGAGGACTTGGAGCAGTGT
 GACTGTGGCAGTACTGTGATAAAAGCCAGTGTGTGATGAAAATTGTAAGTGAAGGGCAACTCAGTGT
 GCAGCACTGAACTTTGTGTTTTAAATGTAACTTAAAAAGGAAGGAGATGTTTGCCGTCTGCTGACGG
 ACCATGTGACCTGGAAGAATACTGCAATGGGACCTCTGCAGCATGTCCAGTGACAGGAAAGCCAGGAC
 GGCTCTAAGTGCCACGAATCCTTCTTGCTTTAATGGTCAGTGCATGGACCTACCTTTCAGTGTCTC
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 GTTTGGAACTGTGGCTCCTCTCAATTTCCAAAAAGTATACCAAGTGTTGAGATAAAATGTAATG
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 CTTAACTTAAAGCTGATCGTCTGGCTGTCATTCTGGTGTGATGATACTCTTAATAATCATATGCATCA
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 GGAGAAGGAAGAGCAGGAGGAGTCTACCAGAAGAGGCTAAAGGGGAGGAGGAGGAGTTGGAGTATGGG
 AAGGAAGAAGCAGAAGAGCAAGGAGCAGTAGAAGAGGAAGGAGCAGAAGAGGCAACGAAGAAGCAGCAG
 CAGAAAAGAAAGACGAAGATGAAGAAGAGGGAGAGGAA

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR216210 representing NM_172125

Red=Cloning site Green=Tags(s)

MERLKLGIPEHWCIRLVAMLLAIIFLPSTFCDIGSVYNSSYETVIPERLPGKGGKDPGGKVSMLLMQ
GQKQLLHLEVKGHYPENFPVYSYHNGILRQEMPLLSQDCHYEGYMEGVPGSFVSVNICSGLRGVLIKEE
TSYGIEPMLSSKNFEHVLVTMEHQPVVSCSVTPKDSPGDTSHPPRSRRKPDLLVLTWWSHTKYVEMFVV
VNHQRFQMWGSNINETVQAVMDIIALANSFTRGINTVVVLVGLIEWTEGDIIEVPVDLQTTLRNFNFWRQ
EKLVGVRVHDVAHLIVGHRPGENEGQAFIRGACSGEFAAAVEAFHHEDVLLFAALMAHELGHNLGIQHDH
PTCTCGPKHFCLMGEKIGKDSGFSNCSSDHFLRFLHDHGRVCLLDEPGRQSRMRRAANCGNGVVEDLEQC
DCGSDCDKSQCCDENCKLKGNSVCSTELCCFKCNFKKEGDVCRPADGPCDLEECNGTSAACPSDRKAQD
GSKCHESFLCFNGQCMDPTFQCSRIFGHGSRSASDYCYTSLNSRGDQFGNCGSSSQFPKKYTKCSDKNVM
CGKLICTEVAFLPQIQPNLLQVPETEDWCWSVAVFDMRDSLHEEYVKDNTYCGKDKVCKNSICEDFTP
FSFPCSPSKQCNKHGVCNDLGNCHCSFGFAPPDCKEETGGSVDSGPAVNLSNDSSPGPNSTQSSTEELI
LNLKLIVLAVILVLMILLIIICIIISAYTKSETASEAGPSELEELPEGEKEEQEEVLPEEAKGEEEELEYG
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

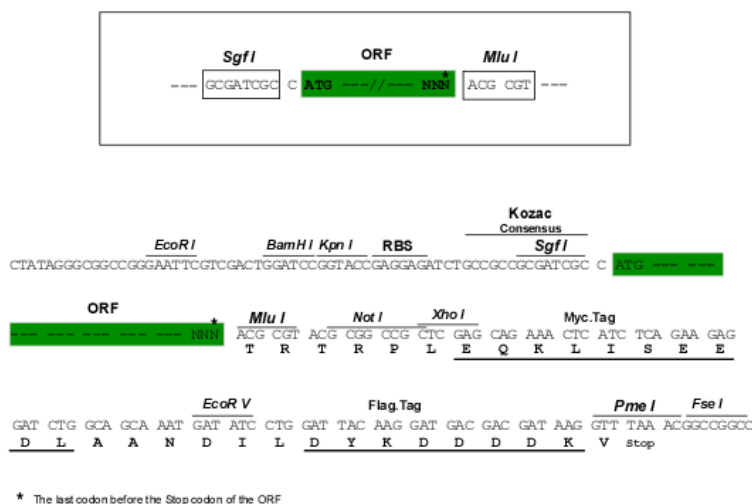
https://cdn.origene.com/chromatograms/mm9104_e07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_172125

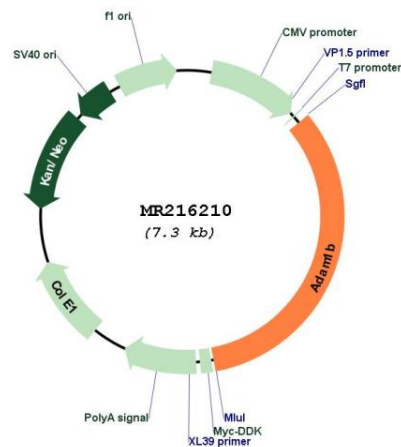
ORF Size: 2418 bp

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_172125.3
RefSeq Size:	2884 bp
RefSeq ORF:	2421 bp
Locus ID:	280667
UniProt ID:	Q8R534
Cytogenetics:	5 F
MW:	89.4 kDa
Gene Summary:	May play a role in spermatogenesis and sperm maturation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216210