

Product datasheet for **MR222622**

Adam21 (NM_020330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam21 (NM_020330) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam21
Synonyms:	ADAM; Adam31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR222622 representing NM_020330
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTGCTTCATAATGTTAGGTGCAGATGCTAGAACACTCATGAGAGTCACTCTTTTGTCTGCTCTGGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222622 representing NM_020330
Red=Cloning site Green=Tags(s)

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MECFIMLGADARTLMRVTL LLLWLKALPSLIDLSQTGSTQYLSPEVVIPLKVTSRARGAKNSEWLSYSL
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LQMNGFSYEIEPIKHSSTFEHLVYTLNNTQFPMLCSLTKRLLYQPFVVEAKKSAMKQNYGKLWPH
MWFLELAVVVDYGFFTNAQQNL SKVRGDVVLVNMVDSMYKPLDITYVTLVGIEIWNRGVLPMENIHQVL
EDFSHWKQISLSQVHDAHIFIRSSLISVLGIAYIAGICRPPLDCGVENFQGDWSL FANTVAHELGHT
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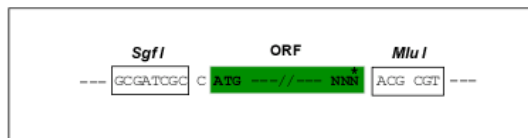
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020330

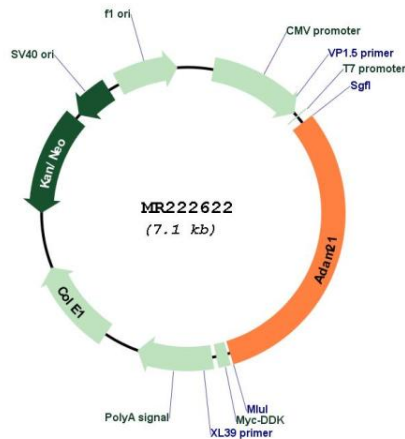
ORF Size: 2187 bp

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:	<ol style="list-style-type: none">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_020330.5 , NP_065063.1
RefSeq Size:	2911 bp
RefSeq ORF:	2190 bp
Locus ID:	56622
UniProt ID:	Q9J176
Cytogenetics:	12 37.79 cM
MW:	81.3 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. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. The encoded protein functions in the regulation of spermatogenesis in the testes and neurogenesis in the central nervous system. [provided by RefSeq, May 2016]

Product images:



Circular map for MR222622