

Product datasheet for **MR231275**

Adam9 (NM_001270996) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam9 (NM_001270996) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam9
Synonyms:	AU020942; MDC9; mKIAA0021; Mltng
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR231275 representing NM_001270996
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCGCGCGCTCTCGCCCTTGCCTCTCTGCGACTAAGGTGGCTGCTGGCGTGTGGCTTGTCTGG
 GCCAGTCTCGAGGCCGGCGACCAGACTTGGAAACAGACTGTCCATCTTTCTTCTTATGAAATTATTAC
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 CAGGCCAAAGAAAACAGCATATTACTCTTGGAAAAGAACACAGACCTTTTACCTAATGATTTGTAG
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 AGGCTATGTGGAGGAGTGCAGAATCCGCGGTTGCTGTGAGCGCCTGCTTTGGACTCAGAGGCTTGTG
 CATTGGAGAATGCCAGTTTGAATTGAACCTCTGCACAACAGCTCACACTTTGAGCACATATTTTACC
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 ACAGGGGATGAGGAGGAGCATCCGAGTGTCACTCAGCTGCTGCCAGAGAAGAGCTGTTCTACCACAG
 ACCCGCTATGTGGAGCTGTTTATTGTTGTAGACAAGGAAAGGTACGACATGATGGACGGAACCAGACTG
 CTGTGAGAGAAGAGATGATTTCGCTTAGCAAACCTACCTGGATAGCATGTACATCATGTTAAACATTGGAAT
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ACGGTACGGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231275 representing NM_001270996
Red=Cloning site Green=Tags(s)

MGPRALSPLASLRRLRWLLACGLLGPVLEAGRPDLEQTVHLSSYEIITPWRLTRERREALGPSSQQISYVI
QAQKQHIHLELRNTDLLPNDV VVYTYDKEGSLSDHPNVQSHCHYRGYVEGVQNSAVAVSACFGLRGLL
HLENASFGIEPLHNSHFHIFYPMDGIHQEPLRCGVSNRDEKEGTQGDEEEHPSVTQLLRRRRAVL PQ
TRYVELFIVVDKERYDMMGRNQTAVREEMIRLANYLDSMYIMLNIRIVLVGLEIWTDRNPINIIGGAGDV
LGNFVQWREKFLITRWRHDSAQLVLKKGFGGTAGMAFVGTVC SRSHAGGINVFGQITVETFASIVAHEL G
HNLGMNHDDGRECF CGAKSCIMNSGASGRNFS SCSAEDFEKLT LNKGGSCLLNIPKPDEAYSAPSCGNK
LVDPGEECDCGTAK ECEVDPCCEGSTCKLKSFAECAYGDCCKDCQFL PGGSMCRGKTSECDVPEYCN GSS
QFCPPDVF IQNGYPCQNSKAYCYNGMCQYYDAQCQVIFGSKAKAAPRDCF IEVNSKGD RFGNCGFSGSEY
KKCATGNALCGKLCENVDMPVFGIVPAIIQTPSRGTKCWGVDFQLGSDVDPGVMNEGTKCDAGKICR
NFQCVNASVLNYDCDIQ GKCHGHGVCNSNKNCHCEDGWAPPHCDTKGYGGSVDSGPTYNAKSTALRDGLL
VFFFLIVPLVAAAI FLFIKRDEL RKTFRKKRSQMSDGRNQANVSRQPGDPSISRPPGGPNVSRPPGGPGV
SRPPGGPGVSRPPGGPGVSRPPGGPGVSRPPGGPGVSRPPGGPGVSRPPGGHGNRFPVPTYAAKQPAQFP SRPPPPQPK
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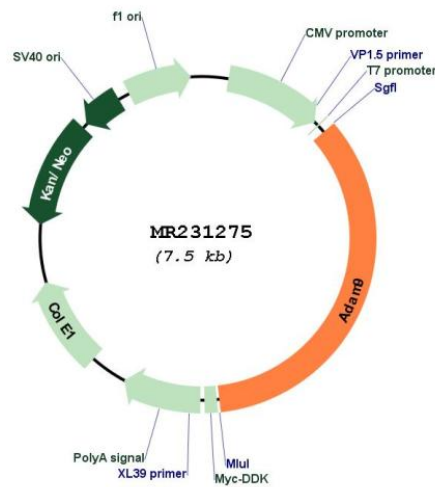
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001270996
ORF Size:	2589 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_001270996.1 , NP_001257925.1
RefSeq Size:	4057 bp
RefSeq ORF:	2592 bp
Locus ID:	11502
Cytogenetics:	8 13.7 cM
MW:	94.1 kDa
Gene Summary:	Cleaves and releases a number of molecules with important roles in tumorigenesis and angiogenesis, such as TEK, KDR, EPHB4, CD40, VCAM1 and CDH5 (PubMed:19273593). May mediate cell-cell, cell-matrix interactions and regulate the motility of cells via interactions with integrins (PubMed:10825303).[UniProtKB/Swiss-Prot Function]