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Product datasheet for MR222533

Adam15 (NM_009614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam15 (NM_009614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam15
Synonyms:	AD56; MDC15; metar
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR222533 representing NM_009614
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGCTGGCGCTGCTCTGGGCTCTGGGACTCCTGGGCGCGGGCAGCCCTCGGCCCTCCCCGCCGCTGC
CAAATATAGGAGGCACTGAGGAAGAGCAGCAAGCCAGCCCAGAGAGGACGCTGAGTGGATCCATGGAGAG
CCGGGTTGTTCAGGACAGCCCCCCAATGAGCCTAGCAGACGTGCTTCAGACTGGTTTACCTGAGGCCCTG
AGGATTTCCTTGGAGCTGGACAGTGAGAGTCATGTCCTGGAGCTTCTACAAAATAGAGATCTAATCCCTG
GCCGCCCAACTCTGGTGTGGTACCAGCCTGATGGCACCCGAATGGTCAGCGAGGGCTACAGTCTAGAAAA
CTGCTGCTACCGAGGACGAGTGCAGGGCCACCCCAGCTCCTGGGTGTCCCTCTGTGCCTGCTCTGGGATC
AGGGGGCTCATTGTCCTGTCCCCAGAGAGAGGCTATACACTGGAGCTGGGCCCTGGGGACCTTCAGCGTC
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CCTGAGTTCTGCCCAGGAGATAGCTCTCAGTGCCCGTCTGACATCAGACTTGGGGACGGTGAGCCTTGTG
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AGAAAGCCACTGCCTGCCAACCCACAGGGCCAGCACCCACCAGGTGACCTGCCTGGCCCAGGAGATGGAA
GCTTGCCGCTGGTGGTGCCCTCCAGGCCAGCTCCACCACCCCCTGCAGCATCTTCGCTCTACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

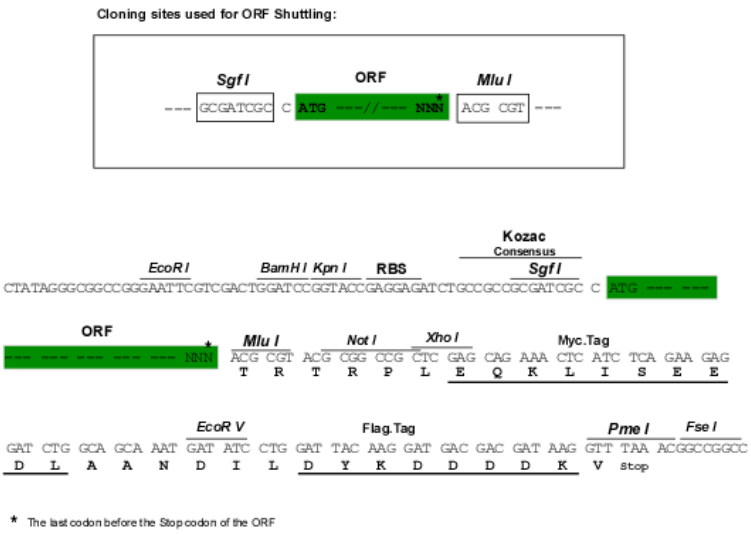
>MR222533 representing NM_009614
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPRPSPPLPNIGGTEEEQQASPERTLSGSMESRVVQDSPPMSLADVLQTGLPEAL
RISLELDSESHVLELLQNRDLIPGRPTLVWYQPDGTRMVSEGYSLENCCYRGRVQGHPSSWVSLCACSGI
RGLIVLSPERGYTLELGPGDLQRPVISRIQDHLLLGHTCAPSWHASVPTRAGPDLLLEQHHAHRLKRDVV
TETKIVELVIVADNSEVRKYPDFQQLLNRTLEAALLLDTFFQPLNVRVALVGLEAWTQHNLIEMSSNPAV
LLDNFLRWRRTDLLPRLPHDSAQLVTVTSFSGPMVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHE
LGHSLGLDHDSPGHSCPCPGPAPAKSCIMEASTDFLPGLNFSNCSRQALEKALLEGMGSCLFERQPSLAP
MSSLCGNMFVDPGEQCDCGFPDECTDPCCDHFTCQLRPGAQCASDGPCCQNCKLHPAGWLCRPPTDDCDL
PEFCPGDSSQCPSDIRLGDGEPCASGEAVCMHGRCASYARQCQSLWGPGAQPAAPLCLQTANTRGNAFGS
CGRSPGGSYMPCAPRDVMCGQLQCQWGRSQPLLGSVQDRLSEVLEANGTQLNCSWVDLDLGNDVAQPLLA
LPGTACGPGLVCIGHRCQPVDLLGAQECRRKCHGHGVCDSSGHCRCEEGWAPPDCMTQLKATSSLTTGLL
LSLLLLLVLVLLGASYWHRARLHQRLCQLKGSSCQYRAPQSCPPERPGPPQRAQQMTGTKSQGPTKPPPP
RKPLPANPQGQHPPGDLPGPGDGSLPLVVPSRPAPPPPAASSLYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_009614
ORF Size:	2445 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.

RefSeq: NM_009614.3

RefSeq Size: 2859 bp

RefSeq ORF: 2448 bp

Locus ID: 11490

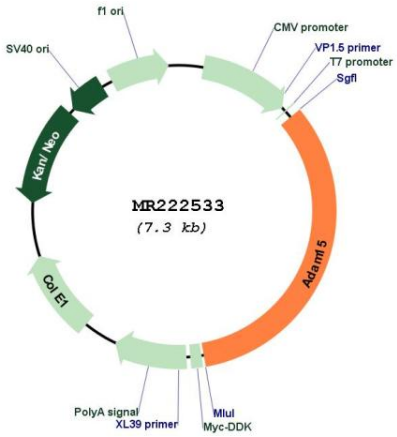
UniProt ID: O88839

Cytogenetics: 3 39.07 cM

MW: 87.9 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 prominently expressed in vascular cells, the endocardium, hypertrophic cells in developing bone, and specific areas of hippocampus and cerebellum. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Mice lacking the encoded protein have increased bone mass resulting from osteoblast proliferation, and exhibit reduced neovascularization in a mouse model for retinopathy. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing. [provided by RefSeq, May 2016]

Product images:



Circular map for MR222533