

Product datasheet for **RC222558**

ADAM15 (NM_207197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207197) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM15
Synonyms:	MDC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222558 representing NM_207197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGCGTGCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
 ACCTGCTAAACCGCACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGCCCTGAATGTACGAGT
 GGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG
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 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA
 AGACCTGCATCATGGAGGCTCCACAGACTTCTACCAGGCTGAACTCAGAACTCAGCCAGCCAGGGC
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGCAGCTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG
 GCTGCTTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTGACTGTGGCTTCTGGATGACTGCG
 TCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTG
 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTGACTTGCTT
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCTGATGTGAGCCTAGGGGATGGCAGCCCTGCGCTG
 GCGGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCTATGCCAGCAGTGCAGTCACTTTGGGGACC
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACAGCTAATACTCGGGAAATGCTTTTGGGAGCTGT
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGGC
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
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 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGCCTGCGCCCTGCACAGC
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 TCCAGGCCGCTGCGCCTGACCCCTGTGTCCAAGAGACTCCAGGCTGAGCTGGCTGACCGACCCAATCCCC
 CTACCCGCCCTCTGCCGCTGACCCGGTGGTGAAGAAGCCGAAGTCTCAGGGGCCAGCAAGCCCCACC
 CCCAAGGAAGCCACTGCCTGCCGACCCAGGGCCGGTGCCCATCGGGTACCTGCCCGCCAGGGGCT
 GGAATCCCGCCCTAGTGGTACCCTCCAGACCAGGCCACCGCCTCCGACAGTGTCTCGCTCTACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222558 representing NM_207197
 Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWLPNIGGTTEEQAASEKAPREPLEPQVLQDDLPI SLKKVLQTSLPEPLR
 IKLELDGD SHILELLQNRELVPGRPTLVWYQPDGTRVSEGHLENCYQGRVRYAGSWSICTCSGLR
 GLVVLTPERSYTL EQPGDLQGPPIISRIQDLHLPGHGTALSWRESVHTQKPPEHPLGQRHRRRRDVVT
 ETKTVLVI VADHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDLVEISPNPAVT
 LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
 GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
 AAF CGNMFVEPGEQCDCGFLDCCVDPCCDSLTCQLRPGAQCASDGPCCQCQLRPSGWQCRPTRGDCDLP
 EFCPGDSSQC PPDVSLGDGEP CAGGQAVCMHGRCASYAQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
 GRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNC SWVHLDLGS DVAQP LLLTL
 PGTACG PLVICIDHRCQRVDLLGAQECRSKCHGHGVCDSNRHCYCEGWAPPDCTQLKATSSLTG LLL
 SLLVLLV LVM LGASYWYRARLHQRLCQLKGPTCQYRAAQSGP SERPGPPQRALLARGTKQASALSF PAPP
 SRPLPPDPVSKRLQAE LADRPNPPTRPLPADPVVRSPK SQGPAKPPPPRKLPLADPQGRCP SGLDPGGA
 GIPPLVPSRPAPPPPTVSSLYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

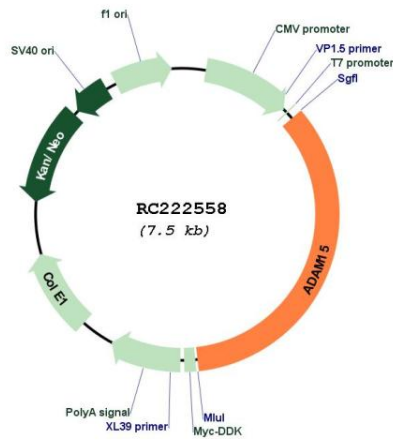
SgfI-MluI

Cloning Scheme:



ACCN:	NM_207197
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_207197.3
RefSeq Size:	2999 bp
RefSeq ORF:	2592 bp
Locus ID:	8751
UniProt ID:	Q13444
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	93 kDa
Gene Summary:	The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222558