

Product datasheet for **RC223960**

ADAM15 (NM_207196) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207196) 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:

>RC223960 representing NM_207196
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGCGTCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
 ACCTGCTAAACCGCACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGCCCTGAATGTACGAGT
 GGCACTAGTGGGCTGGAGGCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTG
 TGACTGGTACTTCTCTCTGGGCTACGGTGGGCATGGCCATTGAGAACTCCATCTGTTCTCTGACTT
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 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA
 AGACCTGCATCATGGAGGCTCCACAGACTTCTACCAGGCTGAACCTCAGAACTGACGCCAGCCGGG
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGAGCTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG
 GCTGCTTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTGACTGTGGCTTCTGGATGACTGCG
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 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTGACTTGCTT
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCTGATGTGAGCCTAGGGGATGGCGAGCCCTGCGCTG
 GCGGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCTATGCCAGCAGTGCAGTCACTTTGGGGACC
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACAGTAATACTCGGGAAATGCTTTGGGAGCTGT
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGCC
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
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 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGCCTGCGCCCTGCACCA
 GACTCTGCCAGCTCAAGGACCCACTGCCAGTACAGGGCAGCCCAATCTGGTCCCTCTGAACGGCCAGG
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 AGGCCGCTGCCGCTGACCTGTGCAAGAGACTCCAGGCTGAGCTGGTGGTACCAGCCCAATCCCTTA
 CCCGCCCTCTGCCGCTGACCCGGTGGTGAAGCCGAAGTCTCAGGGGCCAGCAAGCCCAACCCCTCC
 AAGGAAGCCACTGCCTGCCGACCCAGGGCGGTGCCATCGGGTACCTGCCGGCCAGGGGCTGGA
 ATCCCGCCCTAGTGGTACCCTCCAGACCAGGCCACCGCTCCGACAGTGTCTCGCTCTACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223960 representing NM_207196
 Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWLPNIGGTTEEQAASEKAPREPLEPQVLQDDLPI SLKKVLQTSLPEPLR
 IKLELDGDSDHILELLQNRELVPGRPTLVWYQPDGTRVSEGHLENCYQGRVRYAGSWVSICTCSGLR
 GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHGTALSWRESVHTQKPPEHPLGQRHRRRRDVT
 ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDLVEISPNPAVT
 LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
 GHSLGLDHDLPGNPCPCGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
 AAFCGNMFVEPGEQDCGFLDCCVDPCCDSLTCQLRPGAQASDGPCCQCQLRPSGWQCRPTRGDCDLP
 EFCPGDSSQCPCPDVSLGDGEPACGGQAVCMHGRCSYAAQCCQLWPGAQPAAPLCLQTANTRGNAFGSC
 GRNPSGSYVVSCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNCSSWVHLDLGSVAQPLLTL
 PGTACGPGLVCIDHRCQRVDLLGAQECRSKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTGLLL
 SLLVLLVLMGASYWYRARLHQRLCQLKGPTCQYRAAQSGPSERPQPQRALLARGTKASALSFPAPPS
 RPLPPDPVSKRLQAEADRPNPPTRPLPADPVVRSPPKSPKSPQPAKPPPRKPLPADPQGRCPGDLPGPGAG
 IPPLVPSRPAPPPPTVSSLYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

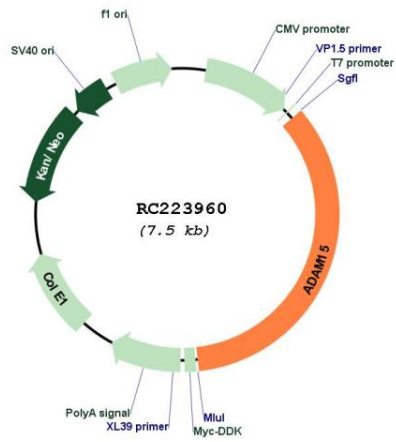
SgfI-MluI

Cloning Scheme:



ACCN:	NM_207196
ORF Size:	2586 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_207196.3
RefSeq Size:	2996 bp
RefSeq ORF:	2589 bp
Locus ID:	8751
UniProt ID:	Q13444
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	92.8 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 RC223960