

Product datasheet for **MC221147**

Adam2 (NM_009618) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam2 (NM_009618) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam2
Synonyms:	AI323749; Ftn; Ftnb; Ph30-be; Ph30-beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221147 representing NM_009618
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTCATCTTGCTTCTACTGAGTGGGCTGAGTGAACCTGGCGGCCCTTAGCCAGTCCCAACAGAAG
 GCACTCGTGAGAAATTACACGTGCAAGTCACAGTGCCAGAGAAAAATCCGGTCCGTACAAGCAATGGCTA
 CGAAACACAGGTGACCTACAATCTCAAAATCGAAGGGAAAAACATACACCTTGACCTAATGCAAAAACCG
 TTCTTGCCTCCCAACTTTAGAGTATACAGTTATGACAACGCAGGAATCATGAGGTCTCTTGAGCAGAAGT
 TTCAGAATATCTGCTACTTCCAAGGATACATTGAAGGTTATCCAATTCTATGGTGATTGTTAGCACATG
 TACTGGACTCAGGGGTTTTCTCCAATTTGGAAACGTTAGCTATGGAATTGAACCTCTGGAATCTCCAGT
 GGTTTTGAACACGTGATCTACCAAGTGGAACTGAGAAAGGAGGTGCATTACTCTACGCCGAGAAGGATA
 TCGATTTAAGAGACTCGCAGTATAAGATACGAAGTATCAAGCCACAGCGGATCGTCTCTCACTATTTGGA
 AATACATATTGTCGTTGAAAAGCAAATGTTTGAGCATATCGGGGCTGATACAGCCATTGCTACTCAAAG
 ATTTTCCAGTTGATTGGACTGGCAAATGCATCTTTGCCCCCTTAACTTACAGTAATTCTGTCTTCCC
 TGGAAATTTGGATGGATGAAAACAAAATCTTGACCACAGGCGATGCTAACAAAGTTGCTCTACAGTTCTT
 GAAGTGGAAACAGTTCGACCTTGTCTGCGACCACATGATATGGCGTTTTTACTCGTCTACAGGAACACT
 ACCGATTATGTTGGCGCTACCTATCAAGGGAAGATGTGTGACAAGAACTATGCAGGAGGAGTTGCTTTGC
 ACCCAAAGCCGTAACCTGGAATCACTTGCAATTATTTAGTTCAGTCTGCTGAGCCTCAGCATGGGGCT
 AGCGTATGACGACGTGAACAAGTCCAGTGTGGCGTACCTGTCTGCGTGATGAACCCGGAAGCGCCTCAC
 TCCAGCGGTGTCGGGGCCTTCAGTAACGCAGCATGGAGGACTTTTCCAAGTTTATCACAAGTCAAAGT
 CCCACTGTCTGCAGAACCAGCCAGGCTACAGCCATCTTACAAGATGGCGGTCTGTGGGAATGGAGAGGT
 GGAAGAAGATGAAATTTGCGACTGTGAAAAGAAGGGCTGTGCAGAAATGCCCCCGCCATGCTGTAACCCC
 GACACCTGTAAGCTGTCAGATGGCTCCGAGTGCTCCAGCGGAATATGCTGCAACTCGTGCAAGCTGAAGC
 GGAAAGGGGAGGTTTGCAGGCTTGCCAAGATGAGTGTGATGTCACAGAGTACTGCAACGGCACATCCGA
 AGTGTGTGAAGACTTCTTTGTTCAAACGGTCACCCATGTGACAATCGCAAGTGGATCTGTATTAACGGC
 ACCTGTCAGAGTGGAGAACAGCAGTGCCAGGATCTATTTGGCATCGATGCAGGCTTTGGTTCAAGTGAAT
 GTTTCTGGGAGCTGAATCCAAGAGCGACATATCTGGGAGCTGTGGAATCTCTGCTGGGGGATACAAGGA
 ATGCCACCTAATGACCGGATGTGTGGGAAAATAATATGTAATACCAAAGTAAAAATACTAAAATTG
 AGGTCTGCCACTGTTATTTATGCCAATAAAGCGGGCATGTCTGCGTTTTCCCTGGAATATCCCAAGGTC
 ATAATGAGAGCCAGAAGATGTGGGTGAGAGATGGAACCGTCTGCGGGTCAAATAAGGTTTCCAGAAATCA
 AAAATGTGTAGCAGACACTTTCTTGGGCTATGATTGCAACCTGGAAAAATGCAACCACCATGGTGTATGT
 AATAACAAGAAGAACTGCCACTGTGACCCACATACTTACCTCCAGATTGTAAGAAGTAAAGATTTCAT
 ATCCTGGCGGGAGCATTGATAGTGGCAACAAGGAAAGGGCTGAACCCATCCCTGTACGGCCCTACATTGC
 AAGTGCTTACCGCTCCAAGTCTCCACGGTGGCCATTTTCTTGATCATCCCTTTCTACGTTGTGATCCTT
 GTCCTGATTGGGATGCTGGTAAAAGTCTATCCCAAAGGATGAAATGGAGAATGGATGACTTCTCAAGCG
 AAGAGCAATTTGAAAGTAAAAGTGAATCCAAAGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009618
Insert Size: 2208 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_009618.3, NP_033748.2</u>
RefSeq Size:	2594 bp
RefSeq ORF:	2208 bp
Locus ID:	11495
UniProt ID:	<u>Q60718</u>
Cytogenetics:	14 34.36 cM
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 predominantly expressed in the epididymis, where the encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Male mice lacking the encoded protein are infertile and exhibit multiple defects in reproduction. [provided by RefSeq, May 2016]