

Product datasheet for **MC221170**

Adam21 (NM_020330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam21 (NM_020330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam21
Synonyms:	ADAM; Adam31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221170 representing NM_020330
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTGCTTCATAATGTTAGGTGCAGATGCTAGAACACTCATGAGAGTCACTCTTTTGTCTCTGGC
 TTAAGGCACTTCCATCCCTTATTGACCTCTCACAGACTGGGTCCACTCAATACCTCAGTTCTCCAGAAGT
 AGTTATCCCTCTGAAGGTGACCAGCAGGGCCAGGGGTGCAAAGAATTAGAGTGGCTCTCTATAGCCTT
 GTATTTGGTGGCCGTAGACATGTTGTCCATATGCGAGTCAAGAAGCTGTTGGTTTCTACTCACATCCCTG
 TACTCACCTACACAGAGGAACACACCCCTCAGCGATTACCCCTTTGTCCCTAGTACTGTTACTATCA
 TGGTTATGTAGAGGGAGCCCTTGAGTCTTTAGTTGCTTTCAGTGCCTGCAATGGGGGTTGCAGGGAGTG
 TTACAAATGAATGGCTTCTTTATGAAATTGAACCTATCAAGCACTCTAGCACATTTCGAGCACCTAGTCT
 ATACATTAATAATAACAAGACACAATTTCCACCTATGCTATGTAGTTTAAACGGAGAAGAGACTACTGTA
 CCAACCCCTTTGGAGTTGAAGAGGCTAAGAAGTCAGCTATGAAGCAAAATTATGGAAAAGTGTGGCCAC
 ATGTGGTTTCTGGAGCTGGCTGTAGTGGTAGACTATGGTTTCTTCACTAACGCTCAACAAAAGTGTCAA
 AGGTACGAGGAGATGTGGTTCTTGTGTTAACATGGTAGATTCCATGTACAAGCCGCTGGATACTTATGT
 GACTTTGGTTGGCATCGAGATTTGGAATCGAGGAAATGTTCTCCCAATGGAAAACATACATCAGGCTTA
 GAAGATTTTTCTCATTGGAAACAATCAGTCTTCTCAGGTACATCATGATGCAGCCATATCTTCATTA
 GAAGCTCACTTATAAGTGTACTTGGTATAGCCTACATTGCAGGAATATGTCGTCCTCCTCTTGATTGTGG
 AGTTGAAAATTTCAAGGGGACGCTGGTCTCTTTTGGCAACACGGTGGCCATGAGTTAGGCCATACT
 TTTGGTATGAAGCATGATGAGGAATCCTGCTCTTGTGGGAAAAGTGGTTGTGCATGAGTACTTTCAGAG
 TGCCAGCAGAGAGATTCACCAATTGCAGCTATAGTGATTTTATGAAGCACTTTAAACCAAGGAAGTGTG
 TCTGTACAATCATCCAAGACCAGGGCAGGTTTCTGGTGAAGCGCTGTGGGAATGGTATGGTTGAAAGT
 GAAGAAGAGTGTGACTGTGGATCTGTACAGGAATGTGAGCAAGATCCCTGTTGTTTTCTTAACTGTACGC
 TGAGACCTGCAGCTGCTGTAGTTTTGGGCTCTGTTGCAAAGACTGCAAATTCATGCTCTTGGGGAACT
 CTGTAGACCAAAGATCAATGAATGTGACCTCCAGAATGGTGCAATGGAACATCTCACCAGTGCCAGAA
 GATGGATATGTACAGGATGGGGTCCCCTGGTGGCGGTGCCTACTGCTATCAAAGCAGTGAATAACC
 ATGACCAACAGTGCAGGGAGATTTTGGCAAAGGTGCAAGAAGCGCATCTCATAATTGCTATAAAGAAAT
 CAACTTACAAGGAAACAGGTTTGGCCATTGTGGCAGAGATGGCACAGTATTCCTAAAATGCAGAATGTCA
 GATGTGTTTTGTGGAAAGTCCACTGTGAAAATGTAGAAGACATTACCATCCCCAGGCTCCTTATGTTT
 TGCAGAACATTTATGCCAATGGTATCACCTGCTGGAGTACTGGCCATTGTTTGGGGATGGGTGTGCCCTGA
 TGGTGGTGAAGTGAAGATGGCACCACCTGTGGAGTAGGAAAGATCTGCCTACACAAGAAGTGTGTCACT
 CTGTCTGTCTTTCAAATGCTTGCCTTCTGAGACTTGTAAATAGGAAGGGGGTCTGTAATAACAAGCATC
 ACTGTCACTGTGACTATGGGTGGTCCCCGCCTTCTGCCTGCACAGAGGTTATGGAGGTAGTATTGACAG
 TGGTCCAACATCTCAAAAAGAAGATCATTATCACTGTCTGTCAATAACTGTGCCTGTTTTATCCATC
 CTAATTTGTCTGCTCATAGCTGGGCTTTATAGAATATATTGAAAATACCTTCTGGTCCCAAAGAGACTA
 AGGCCTTTCACCAGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_020330

Insert Size: 2190 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_020330.5</u> , <u>NP_065063.1</u>
RefSeq Size:	2920 bp
RefSeq ORF:	2190 bp
Locus ID:	56622
UniProt ID:	<u>Q9J176</u>
Cytogenetics:	12 37.79 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. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. The encoded protein functions in the regulation of spermatogenesis in the testes and neurogenesis in the central nervous system. [provided by RefSeq, May 2016]