

Product datasheet for **MC222002**

Adam23 (NM_001177600) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam23 (NM_001177600) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam23
Synonyms:	AW046396; MDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222002 representing NM_001177600
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCCGCCCGCAGCATCTCCGGCGGCCGACCCGTGACGGTTGCAGCCTTCCGGCGCCTCCTGCG
 GCCCGCGCGCTGCCCGCGGCCGGTCCCGGCCGCGCGCCCTGCCGCTGCTCCTCGTCTTCT
 CCTGCTACCTGCGCTCGCCACCTCATCCCGGCCCGTCCCGGGGGCCGCTGCGCCAGCGCTCCGCAC
 TGGAAATGAAACTGCAGAAAAACCTGGGAGTCTGGCAGATGAAGACAACACATTGCAACAAAATAGCA
 GCAGCAGAAATACCAGCTACAGCAGTGCAGTGCAGAAAAAGAAATCACACTGCCTTCAAGACTGGTGTATTA
 CATCAACCAGGACTCAGAAAGCCCTATCATGTTCTTGACACAAAGGCCAGACCAACAGAAACACAAT
 AAGGCTGTGCATCTGGCCAGGCAAGCTTCCAGATCGAAGCTTTCGGCTCCAAGTTCATTCTTGACCTCA
 CACTGAACAATGGTTTGCTATCTTCTGACTACGTGGAGATCCACTATGAAGACGGGAAGCAGATGTACTC
 TAAGGGTGGAGAGCACTGTTACTACCACGGAAGCATCAGAGGCGTCAAGGATCCAGGGTGGCTCTATCG
 ACCTGCAATGGACTCCATGGCATGTTTGGAGATGACACCTTTGTGTATATGATAGAGCCGCTGGAAGTGA
 CTGATGATGAGAAAAGCACAGGCCGACCACACATAATCCAGAAAACCTTGGCAGGACAGTATTCTAAGCA
 GATGAAGAATCTCAGCACAGATGGCAGTGACCAGTGGCCTTTGCTACCTGAATACAATGGCTGAGAAGA
 AGGAAAAGAGCGGTCAATCCATCTCGTGGTGTGTTGAAGAAATGAAGTATTTGGAGCTTATGATTGTTA
 ATGATCACAAGACGTATAAGAAGCACCGCTCTTCTCACGCGCATACCAACAACCTTCGAAAGTCTGTGGT
 CAACCTTGTAGATTCTATTTACAAGGAACAGCTCAACACCAGGGTGTCTGGTGGCTGTCGAGACCTGG
 ACCGAGAAGGATCACATTGACATCACCATCAACCCCGTGCAGATGCTACATGACTTCTCCAAGTACCGGC
 AGCGAATCAAACAGCACGCTGACGCGTCCACCTCATCTCGCGGTGACATTCCATTATAAGAGAAGCAG
 TCTGAGTTACTTTGGAGCGTGTGTTCTCGAATAAGAGGGTGGTGTGAATGAGTATGGTCTTCCAATG
 GCGGTGGCACAAGTATTATCACAGAGCCTGGCTCAAAACCTTGAATCCAGTGGGAACCTTCGAGCAGGA
 AGCCAAAATGTGAATGCATAGAGTCTGGGGCGGCTGCATCATGGAAGAAACAGGGGTGCCACTCTCG
 AAAGTTCTCAAAGTGCAGCATTTTGGAGTACAGAGACTTTTTACAGAGAGGTGGCGGAGCATGTCTTTTC
 AATAGGCCAACTAAGCTGTTTGGAGCCACGGAATGTGGAATGGATATGTGGAGGCCGGGAGGAATGCG
 ACTGTGGTTTCCATGTGGAATGCTATGGAGTTTGTGTAAGAAGTTCGCTCTCCAATGGGCCCCACTG
 CAGTGACGGCCCCTGCTGTAACAACACCTCATGTCTTTTTCAGTACGAGGGTATGAATGTCGGGATGCC
 GTAACAGCTGTGATATCACCGAGTACTGCACTGGAGACTCTGGCCAGTGCACCGAACCTCCATAAAC
 AAGATGGCTATAGCTGCAATCAAAATCAGGGTCCGCTGCTACAATGGCGAGTGAAGACAAGGACAATCA
 ATGCCAGTACATCTGGGGACAAAGGCTGCGGGTTCAGACAAGTTCTGCTATGAAAAGCTGAACACGGAA
 GGCACCGAGAAGGGCAATTGTGGAAGGATGGAGACCGGTGGATCCCGTGCAGCAAGCATGATGTGTTCT
 GTGGATTTCTGCTTTCACCAATCTTACCCGAGCTCCAGTATCGGTCAACTTCAAGGAGAGATCATCCC
 GACTTCTTCTATCATCAAGGCCGAGTATTGACTGCAGTGGTGCATGTAGTTTTAGACGATGATACA
 GACGTGGGTTACGTTGAAGATGGGACTCCGTGTGGCCCTCCATGATGTGCTTAGATCGGAAGTGCCTAC
 AGATTCAGCCCTGAATATGAGCAGTGCACCTTGACTCAAGGGGTAAGTCTGCTCCGGCCACGGGT
 GTGTAGCAACGAAGCCACCTGCATCTGTGATTTCACTTGGCAGGCACAGACTGCACATCCGGGATCCA
 GTTCGGAACCCCAACCCCTAAGGATGAAGGCCCTAAGGGTTTGTATGATTCCGGTTTTAGACTACTGC
 AGATTATTCATCTCCCCTCTCCACTGCAGCAGTAATCCACTTCCACAGTTCAGAAGGAGGCACACAGG
 AATATATCCTTTTGCACAGAGATGCGCCATCCTGTGTACCACACTTTCAGAAGCATAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001177600
Insert Size: 2514 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_001177600.1</u> , <u>NP_001171071.1</u>
RefSeq Size:	2880 bp
RefSeq ORF:	2514 bp
Locus ID:	23792
Cytogenetics:	1 32.31 cM
Gene Summary:	This gene encodes a member of the disintegrin family of membrane-anchored proteins that play a role in diverse biological processes such as brain development, fertilization, tumor development and inflammation. The encoded protein undergoes proteolytic processing to generate a mature polypeptide comprised of an inactive metalloprotease and disintegrin domains. Transgenic disruption of this gene in mice results in postnatal neurological defects including tremor and ataxia resulting in death by 2 weeks of age. [provided by RefSeq, Sep 2015]