

## Product datasheet for **MR223654**

### Adam23 (NM\_001177600) Mouse Tagged ORF Clone

#### Product data:

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



[View online »](#)

**ORF Nucleotide  
Sequence:**

>MR223654 representing NM\_001177600  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCCGCCCGCAGCATCTCCGGCGGCCGACCCGTGACGGTTGCAGCCTTCCGGCGCCTCCTGCG  
 GCCCGCGCGCTGCCCGCGGCCCGGTGCCGGCCGCGCGCCGCTGCCGCTGCTCCTCGTCTTCT  
 CCTGCTACCTGCGCTCGCCACCTCATCCCGGCCCGTGCCGGGGGGCCGCTGCGCCAGCGCTCCGCAC  
 TGGAAATGAACTGCAGAAAAACCTGGGAGTCTGGCAGATGAAGACAACACATTGCAACAAAATAGCA  
 GCAGCAGAAATACCAGCTACAGCAGTGCAGTGCAGAAAGAAATCACACTGCCTTCAAGACTGGTGTATTA  
 CATCAACCAGGACTCAGAAAGCCCTATCATGTTCTTGACACAAAGGCCAGACCAACAGAAACACAAT  
 AAGGCTGTGCATCTGGCCAGGCAAGCTTCCAGATCGAAGCTTTCGGCTCCAAGTTCATTCTTGACCTCA  
 CACTGAACAATGGTTTGCTATCTTCTGACTACGTGGAGATCCACTATGAAGACGGGAAGCAGATGTACTC  
 TAAGGGTGGAGAGCACTGTTACTACCACGGAAGCATCAGAGGCGTCAAGGATTCCAGGGTGGCTCTATCG  
 ACCTGCAATGGACTCCATGGCATGTTTGAGGATGACACCTTTGTGTATATGATAGAGCCGCTGGAAGTGA  
 CTGATGATGAGAAAAGCACAGGCCGACCACACATAATCCAGAAAACCTTGGCAGGACAGTATTCTAAGCA  
 GATGAAGAATCTCAGCACAGATGGCAGTGACCAGTGGCCTTTGCTACCTGAATTACAATGGCTGAGAAGA  
 AGGAAAAGAGCGGTCAATCCATCTCGTGGTGTGTTGAAGAAATGAAGTATTTGGAGCTTATGATTGTTA  
 ATGATCACAAGACGTATAAGAAGCACCGCTCTTCTCACGCGCATACCAACAACCTTCGAAAGTCTGTGGT  
 CAACCTTGTAGATTCTATTTACAAGGAACAGCTCAACACCAGGGTGTCTGGTGGCTGTCGAGACCTGG  
 ACCGAGAAGGATCACATTGACATCACCATCAACCCCGTGCAGATGCTACATGACTTCTCCAAGTACCGGC  
 AGCGAATCAAACAGCACGCTGACGCGGTCCACCTCATCTCGCGCGTGCATTCCATTATAAGACAAGCAG  
 TCTGAGTTACTTTGGAGGCGTGTGTTCTCGAATAAGAGGGTGGTGTGAATGAGTATGGTCTTCCAATG  
 GCGGTGGCACAAGTATTATCACAGAGCCTGGCTCAAAACCTTGAATCCAGTGGGAACCTTCGAGCAGGA  
 AGCCAAAATGTGAATGCATAGAGTCTGGGGCGGCTGCATCATGGAAGAAAACAGGGGTGCCCACTCTCG  
 AAAGTTCTCAAAGTGCAGCATTTTGGAGTACAGAGACTTTTTACAGAGAGGTGGCGGAGCATGTCTTTTC  
 AATAGGCCAACTAAGCTGTTTGGAGCCACGGAATGTGGAATGGATATGTGGAGGCCGGGAGGAATGCG  
 ACTGTGGTTTCCATGTGGAATGCTATGGAGTTTGTGTAAGAAGTTCGCTCTCCAATGGGGCCCACTG  
 CAGTGACGGCCCTGCTGTAACAACACCTCATGTCTTTTTCAGTACGAGGGTATGAATGTCGGGATGCC  
 GTAACAGCTGTGATATCACCGAGTACTGCACTGGAGACTCTGGCCAGTGGCCACCGAACCTCCATAAAC  
 AAGATGGCTATAGCTGCAATCAAAATCAGGGTCCGCTGCTACAATGGCAGTGAAGACAAGGACAATCA  
 ATGCCAGTACATCTGGGGACAAAGGCTGCGGGGTGAGACAAGTTCTGCTATGAAAAGCTGAACACGGAA  
 GGCACCGAGAAGGGCAATTGTGGAAGGATGGAGACCGGTGGATCCCGTGCAGCAAGCATGATGTGTTCT  
 GTGGATTTCTGCTTTCACCAATCTTACCCGAGCTCCAGTATCGGTCAACTTCAAGGAGAGATCATCCC  
 GACTTCTTCTATCATCAAGGCCGAGTATTGACTGCAGTGGTGCATGTAGTTTTAGACGATGATACA  
 GACGTGGGTTACGTTGAAGATGGGACTCCGTGTGGCCCTCCATGATGTGCTTAGATCGGAAGTGCCTAC  
 AGATTCAGCCCTGAATATGAGCAGCTGCCACTTGACTCAAGGGGTAAGTCTGCTCCGGCCACGGGT  
 GTGTAGCAACGAAGCCACCTGCATCTGTGATTTCACTTGGGCAGGCACAGACTGCAGCATCCGGGATCCA  
 GTTCGGAACCCCAACCCCTAAGGATGAAGGCCCTAAGGGTTTGTATGATTCCGGTTTTAGACTACTGC  
 AGATTATTCATCTCCCTCTCCACTGCAGCAGTAATCCACTTCCACAGTTCAGAAAGGAGGCACACAGG  
 AATATATCCTTTTGCACAGAGATGCGCCATCCTGTGTGTACCACACTTTCAGAAGCATAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223654 representing NM\_001177600  
Red=Cloning site Green=Tags(s)

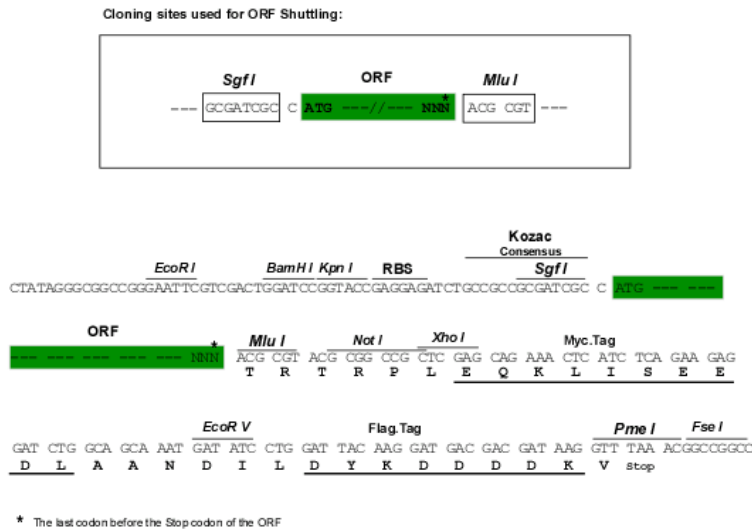
MKPPGISRRPTLTGCSLPGASCGPGRCPAGVPPARAPPCRLLLVLLLLPALATSSRPRARGAAAPSAPH  
WNETAEKTLGVLADEDNTLQQNSSRNTSYSSAVQKEITLPSRLVYYINQDSESPYHVLDTKARHQKHN  
KAVHLAQASFQIEAFGSKFILDLTNNGLLSSDYVEIHVEDGKQMYSKGGEHCYHGSIRGVKDSRVALS  
TCNGLHGMFEDDTFVYMIPELELTDDEKSTGRPHIIQKTLAQYQSKQMKNLSTDGSDQWPLLPQLWLR  
RKRAVNPSRGVFEEMKYLELMIVNDHKTYKKHRSSHAHTNNAKSVVNLVDSIYKEQLNTRVVLVAVETW  
TEKDHIDITINPVQMLHDFSKYRQRIKQHADAHVHLISRVTFHYKRSSLSYFGGVC SRIRGVVNEYGLPM  
AVAQVLSQSLAQNLIQWEPSSRKPKECIESWGGCIMEETGVSHSRKFSKCSILEYRDFLQRGGGACLF  
NRPTKLFEPTECGNGYVEAGEECDGCFHVECYGVCCCKCSLSNGAHCSDGPCCNNTSCLFQSRGYECRDA  
VNSCDITEYCTGDSGQCPPNLHKQDGYSCNQNGRCYNGECKTRDNQCQYIWGKAAGSDKFCYEKLNTE  
GTEKGNCCKDGRWIPCSKHDFVCGFLLCTNLTRAPRIGQLQGEIIPFSFYHQGRVIDCSGAHVLLDDDT  
DVG YVEDGTPCGPSMMCLDRKCLIQALNMSSCPLDSRGKVC SGHGVC SNEATCIDFTWAGTDCSIRDP  
VRNPNPPKDEGPKGLYDSGFRSLQIIHLPSPTAAVIFHFSFRRRHTGIYPFATEMRHPVCTTLEAY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9003\\_f07.zip](https://cdn.origene.com/chromatograms/mm9003_f07.zip)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001177600

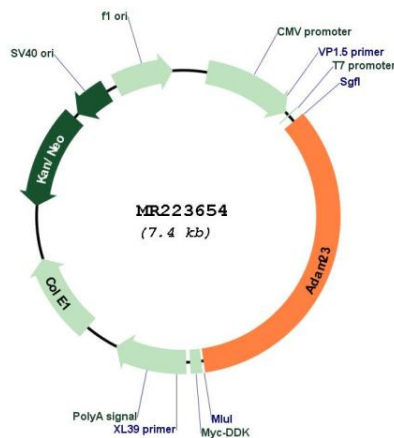
ORF Size: 2511 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001177600.1, NP_001171071.1</u>
<b>RefSeq Size:</b>	2880 bp
<b>RefSeq ORF:</b>	2514 bp
<b>Locus ID:</b>	23792
<b>Cytogenetics:</b>	1 32.31 cM
<b>MW:</b>	93.5 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for MR223654