

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR223654 representing NM_001177600
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCCGCCCGCAGCATCTCCGGCGGCCGACCCGTGACGGTTGCAGCCTTCCGGCGCCTCCTGCG
GCCCCGGCGCTGCCCGCCGGCCCGTCCGGCCCGCGCGCCGCTGCGCCTGCTCCTCGTCTTCT
CCTGCTACCTGCGCTCGCCACCTCATCCCGCCCCGTGCCGGGGGGCCGCTGCGCCAGCGCTCCGCAC
TGGAAATGAAACTGCAGAAAAACCTGGGAGTCTGCGAGATGAAGACAACACATTGCAACAAAATAGCA
GCAGCAGAAATACCAGCTACAGCAGTGCAGTGCAGAAAAAGAAATCACACTGCCTTCAAGACTGGTGTATTA
CATCAACCAGGACTCAGAAAGCCCCTATCATGTTCTTGACACAAAGGCCAGACCAACAGAAACACAAT
AAGGCTGTGCATCTGGCCAGGCAAGCTCCAGATCGAAGCTTTCGGCTCCAAGTTCATTCTTGACCTCA
CACTGAACAATGGTTTGCTATCTTCTGACTACGTGGAGATCCACTATGAAGACGGGAAGCAGATGTACTC
TAAGGGTGGAGAGCACTGTTACTACCACGGAAGCATCAGAGGCGTCAAGGATTCCAGGGTGGCTCTATCG
ACCTGCAATGGACTCCATGGCATGTTTGGAGATGACACCTTTGTGTATATGATAGAGCCGCTGGAAGTGA
CTGATGATGAGAAAAGCACAGGCCGACCACACATAATCCAGAAAACCTTGGCAGGACAGTATTCTAAGCA
GATGAAGAATCTCAGCACAGATGGCAGTACCAGTGGCCTTTGCTACCTGAATTACAATGGCTGAGAAGA
AGGAAAAGAGCGGTCAATCCATCTCGTGGTGTGTTGAAGAAATGAAGTATTTGGAGCTTATGATTGTTA
ATGATCACAAGACGTATAAGAAGCACCGCTCTTCTCACGCGCATACCAACAACCTTCGCAAAGTCTGTGGT
CAACCTTGTAGATTCTATTTACAAGGAACAGCTCAACACCAGGGTGTCTGTTGGTGTGTCGAGACCTGG
ACCGAGAAGGATCACATTGACATCACCATCAACCCCGTGCAGATGCTACATGACTTCTCCAAGTACCGGC
AGCGAATCAAACAGCAGCTGACGCGTCCACCTCATCTCGCGCGTGCATTCCATTATAAGAGAAGCAG
TCTGAGTTACTTTGGAGGCGTGTGTTCTCGAATAAGAGGGTGGTGTGAATGAGTATGGTCTTCCAATG
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AATAGGCCAACTAAGCTGTTTGGAGCCACGGAATGTGGAATGGATATGTGGAGGCCGGGAGGAATGCG
ACTGTGGTTTCCATGTGGAATGCTATGGAGTTTGTGTAAGAAGTGTTCGCTCTCCAATGGGGCCACTG
CAGTGACGGCCCCTGCTGTAACAACACCTCATGTCTTTTTCAGTACGAGGGTATGAATGTCGGGATGCC
GTAACAGCTGTGATATCACCGAGTACTGCACTGGAGACTCTGGCCAGTGGCCACCGAACCTCCATAAAC
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GGCACCAGAGAAGGGCAATTGTGGAAGGATGGAGACCGGTGGATCCCGTGCAGCAAGCATGATGTGTTCT
GTGGATTTCTGCTTTCACCAATCTTACCCGAGCTCCAGTATCGGTCAACTTCAAGGAGAGATCATCCC
GACTTCTTCTATCATCAAGGCCGAGTATTGACTGCAGTGGTGTCTATGTAGTTTTAGACGATGATACA
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GTTTCGGAACCCCAACCCCTAAGGATGAAGGCCCTAAGGGTTTGTATGATTCCGGTTTTAGACTACTGC
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AATATATCCTTTTGCACAGAGATGCGCCATCCTGTGTGTACCACACTTTCAGAAGCATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223654 representing NM_001177600
Red=Cloning site Green=Tags(s)

MKPPGISRRPTLTGCSLPGASCGPGRCPAGVPPARAPPCRLLLVLLLLPALATSSRPRARGAAAPSAPH
WNETAEKTLGVLADEDNTLQQNSSRNTSYSSAVQKEITLPSRLVYYINQDSESPYHVLDTKARHQKHN
KAVHLAQASFQIEAFGSKFILDLTNNGLLSSDYVEIHYEDGKQMYSKGGEHCYHGSIRGVKDSRVALS
TCNGLHGMFEDDTFVYMIPELELTDDEKSTGRPHIIQKTLAQYQSKQMKNLSTDGSDQWPLLPQLWLR
RKRAVNPSRGVFEEMKYLELMIVNDHKTYKKHRSSHAHTNNAKSVVNLVDSIYKEQLNTRVVLVAVETW
TEKDHIDITINPVQMLHDFSKYRQRIKQHADAVHLISRVTFHYKRSSLSYFGGVC SRIRGVVNEYGLPM
AVAQVLSQSLAQNLIQWEPSSRKPKECIESWGGCIMEETGVSHSRKFSKCSILEYRDFLQRGGGACLF
NRPTKLFEPTECGNGYVEAGEECDGCFHVECYGVCCCKCSLSNGAHCSDGPCCNNTSCLFQSRGYECRDA
VNSCDITEYCTGDSGQCPPNLHKQDGYSCNQNGRCYNGECKTRDNQCQYIWGTKAAGSDKFCYEKLNTE
GTEKGNCCKDGRWIPCSKHDFVCGFLLCTNLTRAPRIGQLQGEIIPTSFYHQGRVIDCSGAHVLLDDDT
DVG YVEDGTPCGPSMMCLDRKCLIQALNMSSCPLDSRGKVC SGHGVC SNEATCIDFTWAGTDCSIRDP
VRNPNPPKDEGPKGLYDSGFRSLQIIHLPSPTAAV IHFHSFRRRHTGIYPFATEMRHPVCTTLEAY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9003_f07.zip

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001177600
ORF Size:	2511 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.
RefSeq:	NM_001177600.1 , NP_001171071.1
RefSeq Size:	2880 bp
RefSeq ORF:	2514 bp
Locus ID:	23792
MW:	93.5 kDa
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]