

Product datasheet for **MR209350**

Epm2aip1 (NM_175266) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epm2aip1 (NM_175266) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Epm2aip1
Synonyms:	A930003G21Rik; mKIAA0766
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209350 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGATGACGCCAAGAGGATTAGGATGGAAGTCGACGAGGCTCTGGTGTCCGGCCGAGTGGACCC
 AGCGATACCTGGTGGTGGAGCCTGCGGAGGGTGACGGGGCCCTGTGCCTGGTGTGTCGCCGCTGGTTCGC
 CTCTACTCGGGAACGCGACGTGAGGCGCCACTACGAGGCCGAGCACAATTCTACGAGCGGTTTGTAGGG
 GACGAGGAACGCGCGCCCTGGTCGAGCGTCTGCGGCAGGGTGACATGTCTTTGGCCGCGTGCTCACTC
 CGGAGGAGAGAGCGACGCGGGCAGGCCTCGGCCTCTGCCGCTTCTGGCCTTGAAGGGTCGCGGCTGGGG
 TGAGGGTGACTTCGTACACCAGTGCATGGAGGTGTTGCTGAGAGAGGTGCTGCCGGATCACGTCGGCGTC
 CTGGAAGGCATTGACTTGTCTCCAGAGATCACACGGCAGAGGATTCTGAGCATTGACAGCAACCTCCGCA
 GCCAGCTGTTAACCGAGCCAGGACTTAAAGGCCTATCCCTTGTCTTGGATGACCAGGCTTTTGTGGC
 CTATGAGAACTACCTGCTGGTCTTCATCCGTGGCGTCGGCCGCGACCTGGAGGTGCAAGAAGATCTTCTG
 ACGATTATCAACCTGACTCATCACTTCAGTGTGGGGCTCTCATGTCCGCAATTCTGGAAGCCCTGCAGA
 CAGCAGGGCTCAGCTTACAGCAATGGTTGGACTGACCACGACCCACACTTAAAGGATGATCGGCGAGAA
 CTCCGGACTGGTCTCCTACATGAGAGAGAAGGCCGTGAGTCCCAACTGTTGGAACGTAATCCACTATTCTG
 GGATTTCTTCACTTGGAACTGTTGAGTCTTATGATGTTGATATTAATCAGATCAAAAACCATATCTG
 AATGGGTAGTTATGATTAAGACCAGAGGTGTTAGGCGACCGGAGTTTCAGCCTCTACTAACTGAGTCTGA
 GTCAGAGCATGGTAAAGAGTTAACGGACGGTGTGTAACAACGGCTGAGAAGAGGCAAAACGTTAAAA
 CTAATATTTTCTACTAAGAAAAGAAATCGAGGCGTCTTGGTCTCAGTGGGGCAACAACAGTTTATTCT
 CAGACAAGCAGTGGCTTTGTGATTTTGGTTCTTGGTAGATATTATGGACTATCTTCGAGAGATCAGTGA
 AGAACTGCAGATCAGTAAAGTCTTTGCTGCTGCCTTTGAACGCATCTGCACCTTTGAGGGTAAAGCTG
 AGTTCACTTCAGAGACATATGGAGGAAGTAAATCTAACAGACTTTCCTGCCTTCACTATAATCGTTGATG
 AACTTAAACAGCAGTTTAAAGGAAGATCAAAAAATATTTGATCCTGACAGGTATCAATGGTATCTCCCG
 CCTACAGAAAGATTTTGAAGACATTTTAAAGGACCTCAGGTTTCAAAAAAGGACTTAGAACTTTTCTCA
 AATCCATTTAGCTTTAAACCGGAATATGCGCCTATTTCTGTAAGAGTGGAGCTAACAAAACCTCAGGCCA
 AACTGACCTGTGGAATGAGTACAGAGTCAAAGACTTGGGACAGTTTTATGCAGGACTGTCTGGTGAAGC
 TTACCAATTATCAAAGGGTGGCTATAAGGTGGCATCCTATTTGATAGTAACCAGATCTGTGATAAG
 GCTTTTGCATATTTAACTCGAAACCAGCACACATTGAGCCAGCCACTGACGGATGAGCATCTCCAAGCAC
 TGTTTCGAGTTGCCACAACCTGAAATGGATCCTCGTTGGGATGATCTTGTGAGAGAAAAGAAATGATTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209350 protein sequence
 Red=Cloning site Green=Tags(s)

MWMPKIRMEVDEALVFRPEWTQRYLVVEPAEGDGLCLVCRRLVASTRERDVRRHYEAEHEFYERFVG
 DEERAALVERLRQGDMSLA AVL TPEERATRAGLGLCRFLALKGRGWGEGDFVHQCEVLLREVLPDHVGV
 LEGIDL SPEITRQRILSIDSNLRSQLFNRARDFKAYSLALDDQAFVAYENYLLVIRGVGRDLEVEQEDLL
 TIINLTHHFSVGLMSAILEALQTAGLSLQRMVGLTTHTLRMIGENSGLVSYMREKAVSPNCWNVIHYS
 GFLHLELLSSYVDINQIINTISEWVMIKTRGVRRPEFQPLL TESESEHGERVNGRCLNNWLRGKTLK
 LIFSLRKEIEAFLVSVGATTVHFSDKQWLCDFGLVDIMDYLR ISEELQISKVFAAAAFERICTFEGKL
 SSLQRHMEEVNL TDFPAFSIIIVDELKQQFKEDQKIFDPDRYQMVISRLQKDFERHFKDLRFIKKDELEFS
 NPF SFKPEYAPISVRVELTKLQANTDLWNEYRVKDLGQFYAGLSGEAYPIIKGVAYKVASLFDNSNQICDK
 AFAYLTRNQHTLSQPLTDEHLQALFRVATTEM DPRWDDLVRERND S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_175266

ORF Size: 1821 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.

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:

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: [NM_175266.1](#), [NM_175266.2](#), [NM_175266.3](#), [NM_175266.4](#), [NP_780475.1](#)

RefSeq Size: 7273 bp

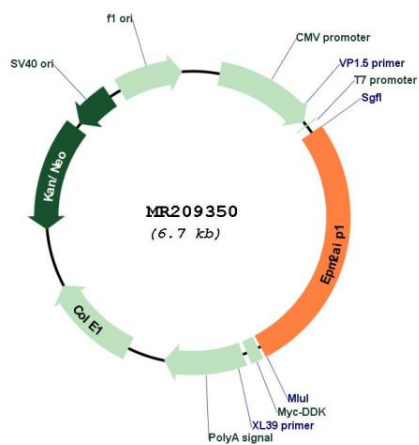
RefSeq ORF: 1821 bp

Locus ID: 77781

UniProt ID: [Q8VEH5](#)

Cytogenetics: 9 F3
 MW: 70.1 kDa

Product images:



Circular map for MR209350