

Product datasheet for **MR207966**

Acp7 (NM_175319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acp7 (NM_175319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acp7
Synonyms:	AU017076; C330005M16Rik; Papl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207966 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGGGAATCCCAGGATCGCGCCTCCCTTGGGACTGAGGACATCCTGACAGACGGACACACGGCTC
 TGCTGGCATCGGTCCATTCTCCATCCTGTGGGACCCACCAGCGGAATTTGATCACATCCTGCATT
 CACTCGGCTTCCACCATCCCCTTTCTTCTACCATGAGCCCCTTTCTTGAGGCTGGCTCTTCTCTGC
 ATGCTCTGCCTTTCTCCCCGGGAGTCCAGGGAGCCCAAGAGTATCCTCATGTTACACAGAGCAATCC
 ATCTGTCTACCTGGGGAGCCAGGCACCATGACTGTGACCTGGACCACATGGGCTCCAGCCCGTCTGA
 GGTGCAGTTCGGCTCGCAGCTGTCTGGTCTCTCCATTCCGTGCCACGGCACCAGGCGCTTCGTG
 GATGGAGGAGTTCTGCGGCGAACTCTACATTCACCGCTGACGCTGCGGAAGCTGCAGCCGGGGCTC
 AGTATGTTTACCGTTGTGGCAGCTCTCAGGCTGGAGCCGAGGTTTCGCTTACAGCCTTGAAGATGG
 GGTCCATTGGAGCCCCCGCTGGCTGTGTTTGGTGACATGGGGGCTGACAACCCGAAGGCCCTGCCAGG
 CTACGGAGGGACACCCAGCAGGGCATGTTTGATGCACTGCTGACGTGGGAGACTTTGCCTACAACATGG
 ACCAGGACAATGCTCGCTTGGGGACAGATTTATGAGGCTCATTGAACCTGTTGCTGCCAGCCTGCCATA
 CATGACATGCCCTGGGAATCATGAACAGCGCTACAATTTCTTAATAACAAGGCTCGCTTCAGCATGCCA
 GGGGACAATGAAGGCTTGTGGTACAGCTGGGACCTGGGGCTGCCATATCATCTCATTCTCCACTGAGG
 TATACTCTTTTGCATATGGCCGTACCTGATTGAGAAGCAGTTCCGTTGGCTGGAGAATGACCTCCA
 GAAAGCCAATAAGAACCAGGCTGGCCGACCTTGGATCATCAGATGGGTCATCGGCCTATGTACTGTTCC
 AATGCGGACCTGGAGCTGCACGAGGCACGAAAGCAGGTCGCAAAGCCCTCCACGGCAAGTTGTTCCG
 GGCTAGAAGACCTTTTCCATAAATACGGCGTGGATCTGGAGTTCTGGGCTCATGAACACTCTACGAGCG
 ACTATGGCCAATTTACAACCTACAGGTATTTAATGGAAGCCTGGAAAGCCCTACACCAACCCCTGAGGC
 CCAGTTACATCATTACAGGATCTGCGGTTGTGAAGAGCTGCTGACTCCCTTTGTCAGGAAACCCAGAC
 CGTGGAGCGCCGTGCGCTGAAGGAGTACGGCTACACTCGGATGCACATCCTTAATGGCACCATATGCA
 CATCCAGCAGGTGTCGGATGACCAGGATGGGAAGATTGTGGACGACGCTGGGTGGTTAGACCTTTGCTT
 GGCCGGATGATGTACCAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207966 protein sequence
 Red=Cloning site Green=Tags(s)

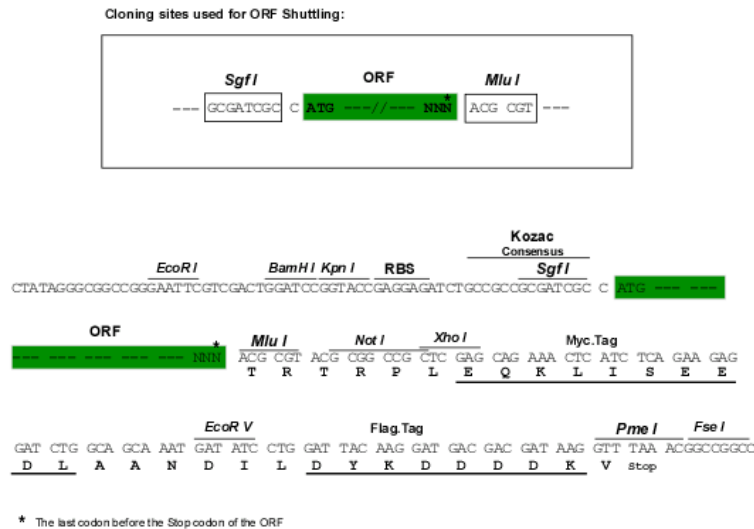
MDGNPRIAASLGTEIDILTDGHTALPGIGPFSILCGTHQRNLITSLHSTRLPITIPFLPTMSPFLGGWLFFC
 MLLPFSPGVQGAQEYPHVTPEQIHL SYLGEPTMTVTWTTWAPARSEVQFGSQLSGPLPFRAHGTAFAV
 DGGVLRRLKYIHRVTLRKLQPGAQYVYRCGSSQGSRRFRFTALKNGVHWSPLAVFGDMGADNPKALPR
 LRRDTQQGMFDAVLHVGDFAYNMDQDNARVGD RFMRLIEPVAASLPYMTCPGNHEQRYNFSNYKARFSMP
 GDNEGLWYSWDLGPAHIISFSTEYVFFLHYGRHLIEKQFRWLENDLQKANKNRVARPWIITMGRHPMYCS
 NADLDDCTRHESRVKGLHGKLFGLDLFHKYGVDFEWAHEHSYERLWPIYNYQVFNGSLESPYTNPRG
 PVHIITGSAGCEELLTPFVRKPRPWSAVRVKEYGYTRMHILNGTHMHIQQVSDQDGKIVDDVWVVRPLL
 GRMMYH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_175319

ORF Size: 1488 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175319.4](#), [NP_780528.1](#)

RefSeq Size: 1923 bp

RefSeq ORF: 1491 bp

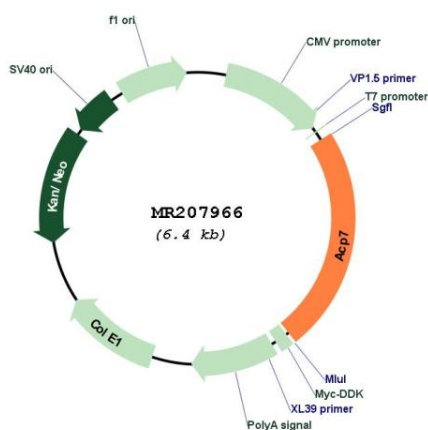
Locus ID: 101744

UniProt ID: Q8BX37

Cytogenetics: 7 B1

MW: 56.8 kDa

Product images:



Circular map for MR207966