

Product datasheet for **MG207966**

Acp7 (NM_175319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acp7 (NM_175319) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acp7
Synonyms:	AU017076; C330005M16Rik; Papl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207966 representing NM_175319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATGGGAATCCCAGGATCGCGCCTCCCTTGGGACTGAGGACATCCTGACAGACGGACACACGGCTC
 TGCTGGCATCGGTCCATTCTCCATCCTGTGGGACCCACCAGCGGAATTTGATCACATCCTGCATT
 CACTCGGCTTCCACCATCCCCTTTCTTCTACCATGAGCCCCTTTCTTGAGGCTGGCTCTTCTCTGC
 ATGCTCTGCCTTTCTCCCCGGGAGTCCAGGGAGCCCAAGAGTATCCTCATGTTACACAGAGCAATCC
 ATCTGTCTACCTGGGGAGCCAGGCACCATGACTGTGACCTGGACCACATGGGCTCCAGCCGGTCTGA
 GGTGCAGTTCGGCTCGCAGCTGTCTGGTCTCTCCATTCCGTGCCACGGCACCAGGCGCTTCGTG
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 AGTATGTTTACCGTTGTGGCAGCTCTCAGGCTGGAGCCGGAGGTTTCGCTTACAGCCTGAAGAATGG
 GGTCCATTGGAGCCCCCGCTGGCTGTGTTTGGTGACATGGGGGCTGACAACCCGAAGGCCCTGCCAGG
 CTACGGAGGGACACCCAGCAGGGCATGTTTGATGCACTGCTGCAGTGGGAGACTTTGCCTACAACATGG
 ACCAGGACAATGCTCGCGTTGGGGACAGATTTATGAGGCTCATTGAACCTGTTGCTGCCAGCCTGCCATA
 CATGACATGCCCTGGGAATCATGAACAGCGCTACAATTTCTTAATAACAAGGCTCGCTTCAGCATGCCA
 GGGGACAATGAAGGCTTGTGGTACAGCTGGGACCTGGGGCTGCCATATCATCTCATTCTCCACTGAGG
 TATACTCTTTTGCATATGGCCGTCACTGATTGAGAAGCAGTTCCGTTGGCTGGAGAATGACCTCCA
 GAAAGCCAATAAGAACCAGGCTGGCCGACCTTGGATCATCAGATGGGTCATCGGCCTATGTACTGTTCC
 AATGCGGACCTGGAGCTGCACGAGGCACGAAAGCAGGTCGCAAGGCCCTCCAGGCCAAGTTGTTCC
 GGCTAGAAGACCTTTTCCATAAATACGGCGTGGATCTGGAGTTCTGGGCTCATGAACACTCTACGAGCG
 ACTATGGCCAATTTACAACCTACAGGTATTTAATGGAAGCCTGGAAAGCCCTACACCAACCCCTCAGGCG
 CCAGTTACATCATTACAGGATCTGCGGTTGTGAAGAGCTGCTGACTCCCTTTGTCAGGAAACCCAGAC
 CGTGGAGCGCCGTGCGCGTGAAGGAGTACGGCTACACTCGGATGCACATCCTTAATGGCACCCATATGCA
 CATCCAGCAGGTGTCGGATGACCAGGATGGGAAGATTGTGGACGACGCTGGGTGGTTAGACCTTTGCTT
 GGCCGGATGATGTACCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207966 representing NM_175319
 Red=Cloning site Green=Tags(s)

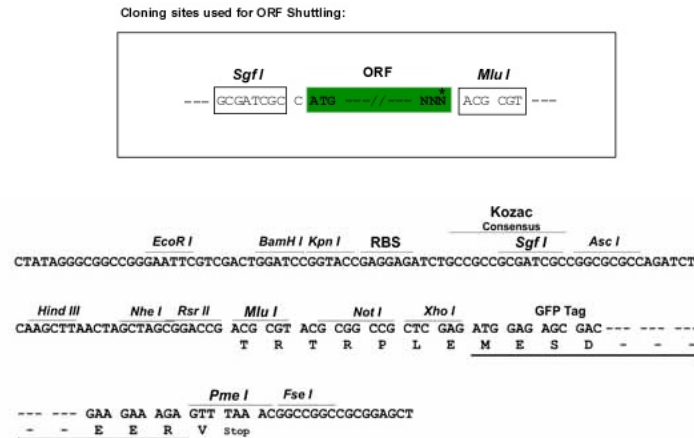
MDGNPRIAASLGTEIDLDGHTALPGIGPFSILCGTHQRNLITSLHSTRLPITPFLPTMSPFLGGWLFFC
 MLLPFSFGVQGAQEYPHVTPEQIHL SYLGEPTMTVTWTTWAPARSEVQFGSQLSGPLPFRAHGTAFAV
 DGGVLRRLKYIHRVTLRKLQPGAQYVYRCGSSQGSRRFRFTALKNGVHWSPLAVFGDMGADNPALPR
 LRRDTQQGMFDAVLHVGDFAYNMQDNARVGD RFMRLIEPVAASLPYMTCPGNHEQRYNFSNYKARFSMP
 GDNEGLWYSWDLGPAHIISFSTEYVFFLHYGRHLIEKQFRWLENDLQKANKNRVARPWIITMGRPMYCS
 NADLDDCTRHESVRKGLHGKLFGLDLFHKYGVDFWAEHSYERLWPIYNYQVFNGSLESPTYNPRG
 PVHIITGSAGCEELLTPFVRKPRWSAVRVKEYGYTRMHILNGTHMHIQQVSDQDGKIVDDVWVVRPLL
 GRMMYH

TRTRPLE - GFP Tag - V

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: 1924 bp

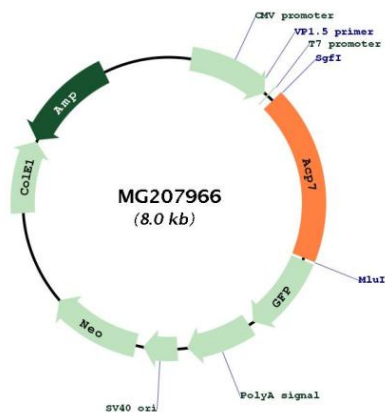
RefSeq ORF: 1491 bp

Locus ID: 101744

UniProt ID: Q8BX37

Cytogenetics: 7 B1

Product images:



Circular map for MG207966