

Product datasheet for **MG225986**

Acp4 (NM_001195034) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acp4 (NM_001195034) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Acp4
Synonyms: Acpt; EG546967; Gm1432
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225986 representing NM_001195034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCTGAGCCCGGGTCTCAGGGCCACACCGTCGGACCCCTTGCTGCTGCTGCTGTTGCTGTTGCTGCCTC
 GGGCCCTGCCGGAGGGGCCCTGTTATTTGGCTCTGGTGTCCGACATGGCGACCGGGCCCACTGGC
 CTCCTACCCACAGATCCACACAAGGAAGCTGCCTCCACCTTGTCGCTCGAGGCTTGGGCCAACTGACT
 AAGGAGGGGATCCGCCAGCAGCTAGAATGGGCCGATTTCTGAGGAGGCGTTACAAGCTTTCCTGAGCC
 CTGAGTACAAGCGAGAAGAGGTGTACATCCGCAGCACAGACTTTGACCGACATTGGAGAGTGCACAAGC
 CAACCTGGCTGGGCTTCCCTGAGGCTGCCCTGGAAGTCTGAGACTGACTGGAAGCCATTCCAGTG
 CACACAGTGCCTGTGCTGAGGACAAGTTGCTGAGGTTCCCATGCGCAGCTGTCTCGATACCATGAGC
 TGTACGAGAGTCCACAGAGGCAGCTGACTACCAGGAGGCCCTGGAGGGCTGGACGGACTTCTGACCCG
 CCTGGGCAACTTCACTGGGCTGTCCCTGGTTGGAGAGCCACTCCGGAGAGCATGGAAAGTTCTGGATACC
 TTGATCTGCCAGCGTGCCCATGGTCTTGACCTTCATCCTGGGCTTCCAGATGTCTTGAGGACTCTGT
 CACAGATTTCTGCTCTGGATATCAGGGCCATGTAGGCCACCCGAGCAGCAGAAAAGGCCAGCTGAC
 AGGGGGGATCCTGCTGGATGCTATTCTCAGCAATTTCTCCGGACCCAGCGCCTTGGGTTGCCCTCAAG
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 ACACCCACCTTACGCTGCCTGCATGGCCTTTGAATCCGGGGGAGCTCCAGGGAACCCGAGGAGGAAGA
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 CCTGGGTGCCAGCTCCCTGTCCACTTGGGCGCTTCCAGCAGCTGACTGTCCAGCCCGGCTCCAGCCC
 ATGGGGCCCCCTGCCATGGTCTTATGAGCCTGCCAGCCCCCAGCCACGGTGCCCTGTGGCCGGAGC
 TGTGGCTGTGCTGGCCGTGCTAAGCCTGGGGCTTGGTCTTCTGGCCTGGAGGCCAGATGCCTGCGGGCC
 CTGGGAGGGACTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225986 representing NM_001195034
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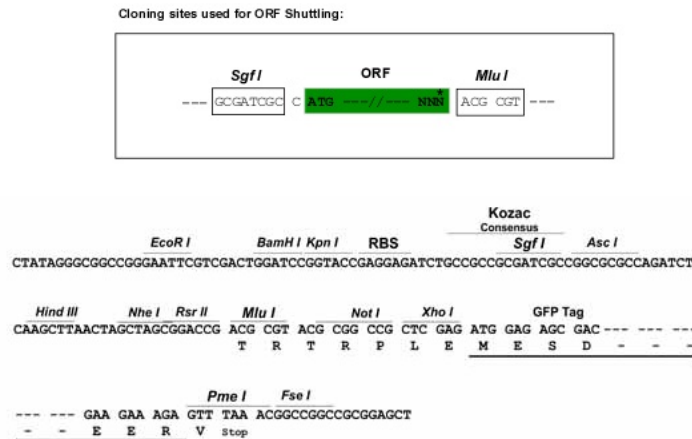
MAEPGSQGHTVGPLLLLLLLLLLPRALPEGPLLFVALVFRHGDRAPLASYPDPHKEAASTLWPRGLGQLT
 KEGIRQQLRFLRRRYKAFLSPEYKREEVYIRSTDFDRTLESAQANLAGLFPEAAPGSPETDWKPIPV
 HTVPVSEDKLLRFPMRSCPRYHELLRESTEAADYQEALEGWDFLTRLGNFTGLSLVGEPLRRAWKVLDT
 LICQRAHGLDLPWASPDVLRQLSQAISALDIRAHVGPRAAEKAQLTGGILLDAILSNFSRTQRLGLPLK
 MVMYSAHDSTLLALQGALGLYDGNTPPYAACMAFEFRGSSREPEEEDGENVTVSLIYRNDTSRPPLPLRV
 PGCAPCPLGRFQQLTAPARPPAHGAPCHGSYEPASPPATVPLLAVAVLAVLSLGLGLLAWRPCLRA
 LGGTV

TRTRPLE - GFP Tag - V

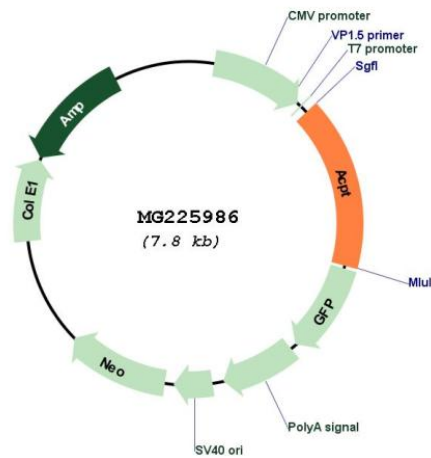
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001195034

ORF Size:	1275 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_001195034.1 , NP_001181963.1
RefSeq Size:	1278 bp
RefSeq ORF:	1278 bp
Locus ID:	100503991
UniProt ID:	D3YTS9
Cytogenetics:	7 B3
Gene Summary:	May dephosphorylate receptor tyrosine-protein kinase ERBB4 and inhibits its ligand-induced proteolytic cleavage. May play a role in odontogenesis.[UniProtKB/Swiss-Prot Function]