

Product datasheet for **MG222711**

Acp5 (NM_001102404) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acp5 (NM_001102404) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Acp5
Synonyms: TRACP; TRAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222711 representing NM_001102404
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCATGGGTGGTCTGCTGGGCCTACAAATCATATGGCTCCCACTCCTGACCCACGGTACAGCCC
CCACTCCCACCCTGAGATTTGTGGCTGTGGCGACTGGGAGGGTCCCAATGCCCATCCACACAGC
CCGGAAATGGCCAATGCCAAAGAGATCGCCAGAACCGTGCAGACGATGGGCGTGACTTCATCATGTCT
CTGGGGACAATTTCTACTTCACTGGAGTGCACGATGCCAGCGACAAGAGTTCCAGGAGACCTTTGAGG
ACGTGTTCTCTGACCGTGCCTTCGCAACATCCCCTGGTATGTGCTGGCTGAAACCATGATCACCTTGG
CAACGTCTCTGCACAGATTGCATACTCTAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTACTACCGT
TTGCGCTTCAAAATCCACGTACAAACATAAAGTGTGGCCATCTTTATGCTGGACACAGTGTGTGTG
GCAACTCAGATGACTTTGCCAGTCAGCAGCCAAAATGCCTCGAGACCTGGGAGTGGCCCGCACTCAGCT
GTCCTGGCTCAAAAAGCAGTTGGCAGCAGCCAAGGAGGACTACGTTTTGGTGGCCGGCCACTACCCCATC
TGGTCCATCGCCGAGCACGGACCCACGCGCTGCCTTGTCAAGAACTTGGCACCATTGTTAGCCACATACG
GGGTCAGTGCCTACCTGTGTGGACATGACCACAACCTGCAGTATCTTCAGGACGAGAACGGTGTGGGCTA
TGTGCTGAGTGGGCGGCAACTTCATGGATCCCTCTGTGCGACATCAACGAAAGGTCCCCAACGGCTAC
TTGCGGTTTCACTATGGATCTGAGGACTCCCTGGGCGGCTTACACATGTGGAGATAAGCCCCAAAGAAA
TGACCATCATATGTGGAAGCCTCTGGAAAATCACTCTTTAAGACCAGCCTCCCAAGGAGACCCAGACC
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222711 representing NM_001102404
 Red=Cloning site Green=Tags(s)

MDSWVLLGLQIWLPLLTHGTAPTPLRFVAVGDWGGVNPAPFHTAREMANAKEIARTVQTMGADFIMS
 LGDNFYFTGVHDASDKRFQETFEDVFSDRALRNIPWYVLAGNHDHLGNVSAQIAYSKISKRWNFPSYYR
 LRFKIPRTNITVAIFMLDTVMLCGNSDDFASQQPKMPRDLGVARTQLSWLKKQLAAAKEDYVLVAGHYPI
 WSIAEHGPTRCLVKNLRPLLATYGVTAYL CGHDHNLQYLQDENGVGYVLSGAGNFMDP SVRHQRKVPNGY
 LRFHYGSEDSLGGFTHVEISP KEMTIIYVEASGKSLFKTSLPRRPRP

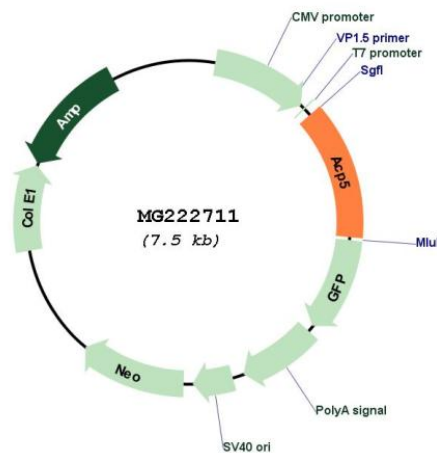
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001102404

ORF Size: 981 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:	<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_001102404.1 , NP_001095874.1
RefSeq Size:	1420 bp
RefSeq ORF:	984 bp
Locus ID:	11433
UniProt ID:	Q05117
Cytogenetics:	9 8.38 cM
Gene Summary:	May play a role in the process of bone resorption. The osteoclastic trap acts on nucleotide tri- and diphosphates with higher affinity, compared with other substrates.[UniProtKB/Swiss-Prot Function]