

## Product datasheet for MR222711

### Acp5 (NM\_001102404) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Acp5 (NM\_001102404) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Acp5  
 Synonyms: TRACP; TRAP  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR222711 representing NM\_001102404  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATTCATGGGTGGTCTGCTGGGCCTACAAATCATATGGCTCCCACTCCTGACCCACGGTACAGCCC  
 CCACTCCCACCCTGAGATTTGTGGCTGTGGCGACTGGGAGGGTCCCAATGCCCATTCACACAGC  
 CCGGAAATGGCAATGCCAAAGAGATCGCCAGAACCCTGCAGACGATGGGCGTGACTTCATCATGTCT  
 CTGGGGGACAATTTCTACTTCACTGGAGTGCACGATGCCAGCGACAAGAGTTCCAGGAGACCTTTGAGG  
 ACGTGTCTCTGACCGTGCCTTCGCAACATCCCCTGGTATGTGCTGGCTGGAAACCATGATCACCTTGG  
 CAACGTCTCTGCACAGATTGCATACTCTAAGATCTCCAAGCGCTGGAACCTCCCAAGCCCTTACTACCGT  
 TTGCGCTTCAAAATCCACGTACAAACATAAAGTGTGGCCATCTTTATGCTGGACACAGTGTGTGTG  
 GCAACTCAGATGACTTTGCCAGTCAGCAGCCAAAATGCCTCGAGACCTGGGAGTGGCCCGCACTCAGCT  
 GTCCTGGCTCAAAAAGCAGTTGGCAGCAGCCAAGGAGGACTACGTTTTGGTGGCCGGCCACTACCCCATC  
 TGGTCCATCGCCGAGCAGGACCCACGCGCTGCCTTGTCAAGAACTTGGCACCATTGTTAGCCACATACG  
 GGGTCACTGCCTACCTGTGTGGACATGACCACAACCTGCAGTATCTTCAGGACGAGAACGGTGTGGGCTA  
 TGTGCTGAGTGGGCGGCAACTTCATGGATCCCTCTGTGCGACATCAACGAAAGGTCCCAACGGCTAC  
 TTGCGGTTTCACTATGGATCTGAGGACTCCCTGGGCGGCTTCAACATGTGGAGATAAGCCCCAAAGAAA  
 TGACCATCATATGTGGAAGCCTCTGGAAAATCACTCTTTAAGACCAGCCTCCCAAGGAGACCCAGACC  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222711 representing NM\_001102404  
 Red=Cloning site Green=Tags(s)

MDSWVLLGLQIWLPLLTHGTAPTPTLRFVAVGDWGGVNPAPFHTAREMANAKEIARTVQTMGADFIMS  
 LGDNFYFTGVHDASDKRFQETFEDVFSDRALRNIPWYVLAGNHDHLGNVSAQIAYSKISKRWNFSPYYR  
 LRFKIPRTNITVAIFMLDVTMLCGNSDDFASQPKMPRDLGVARTQLSWLKKQLAAAKEDYVLVAGHYPI  
 WSIAEHGPTRCLVKNLRPLLATYGVTAAYLCGHDHNLQYLQDENGVGYYVLSGAGNFMDFSVRHQRKVPNGY  
 LRFHYGSEDSLGGFTHVEISPKEMTIIYVEASGKSLFKTSLPRRPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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:**

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

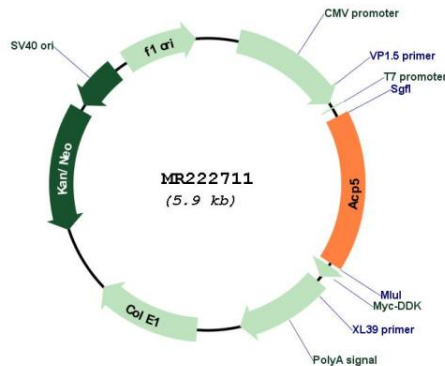
**UniProt ID:** [Q05117](#)

**Cytogenetics:** 9 8.38 cM

**MW:** 36.8 kDa

**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]

**Product images:**



Circular map for MR222711