

## Product datasheet for **RR216372**

### Acp5 (NM\_001270889) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acp5 (NM\_001270889) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Acp5  
**Synonyms:** Trap; TTRRAP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216372 representing NM\_001270889  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATACGTGGATGGTGTCTGGGCCTGCAATCCTGTGCTCCCACTCCTGGCTCACTGTACAGCCC  
CAGCTTCCACCCTGAGATTCGTGGCTGTGGGTGACTGGGAGGGTCCCCAATGCCCCATCCACACAGC  
CCGGGAAATGGCCAATGCTAAAGAAATCGCCAGAACCGTGCAGATTATGGGCGTGACTTCATCATGTCC  
CTGGGGGACAACCTTCACTTCACTGGAGTGCATGACGCCAATGACAAGAGTTCCAGGAGACCTTTGAGG  
ATGTGTTCTCTGACCGTGCCTCCGCAACATCCCTGGTACGTGCTGGCTGGAAACCATGATCACCTTGG  
CAATGTCTCGGCACAAATTGCCTACTCCAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTATTACCGT  
TTGCGTTTCAAAGTTCGCGGTGCAACATCACCGTGGCCATCTTTATGCTGGACACCGTGATGCTGTGTG  
GCAATTCGACGACTTTGTGAGCCAGCAGCCTGAAATGCCCGAGACCTGGGAGTGGCCCGCACTCAGCT  
GTCCTGGCTCAAAAAACAGTTGGCAGCAGCCAAGGAGGACTATGTTTTGGTGGCCGGTCACTACCCCATC  
GGTCCATCGCCGAGCACGGACCCACCCGCTGCCTGGTCAAGAACTTGAGGCCATTGTTGGCTGCATACG  
GGGTACCCGCTACCTGTGTGGCATGACCACAACCTGCAGTATCTTCAGGATGAGAACCGTGTGGGCTA  
TGTGCTGAGTGGGCGCGCAACTTCATGGACCCTTCCGTGCGGCATCAACGAAAGGTCCTCAACGGCTAC  
CTACGCTTCACTATGGATCTGAGGACTCTCTGGTGGCTTACATACGTGGAGATAGGCTCCAAAGAAA  
TGAGCATCACGTATGTGGAAGCCTCTGGAAATCACTCTCAAGACCAGCCTCCCGAGGCGACCCAGACC  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216372 representing NM\_001270889  
 Red=Cloning site Green=Tags(s)

MDTWMVLLGLQILLPLLAHCTAPASTLRFVAVGDWGGVNPAPFHTAREMANAKEIARTVQIMGADFIMS  
 LGDNFYFTGVHDANDKRFQETFEDVFSDRALRNIPWYVLAGNHDHLGNVSAQIAYSKISKRWNFSPYYR  
 LRFKVPRSNITVAIFMLDTVMLCGNSDDFVSQQPEMPRDLGVARTQLSWLKKQLAAAKEDYVLVAGHYPI  
 WSI AEHGPT RCLVKNLRPLLAAYGVTAYLCGHHDHNLQYLQDENGVGYYVLSGAGNFM D P SVRHQRKVPNGY  
 LRFHYGSEDSLGGFTYVEIGSKEMSIYVEASGKSLFKTSLPRRPRP

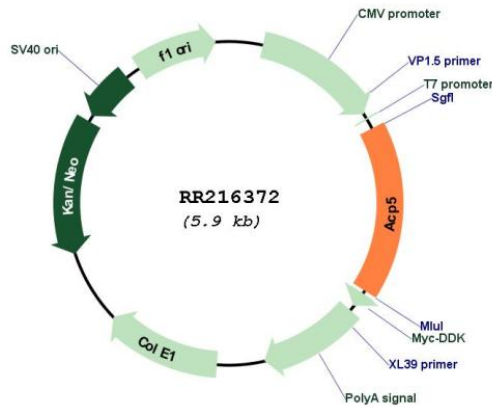
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001270889

**ORF Size:** 981 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001270889.1</a> , <a href="#">NP_001257818.1</a>
<b>RefSeq Size:</b>	1473 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	25732
<b>UniProt ID:</b>	<a href="#">P29288</a>
<b>Cytogenetics:</b>	8q13
<b>MW:</b>	36.7 kDa
<b>Gene Summary:</b>	tartrate-resistant acid phosphatase; may be involved in bone resorption; 5b isoform is osteoclast-specific and may be a specific marker of bone resorption [RGD, Feb 2006]