

Product datasheet for RN216372

Acp5 (NM_001270889) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Acp5 (NM_001270889) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Acp5
 Synonyms: Trap; TTRRAP
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN216372 representing NM_001270889
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATACGTGGATGGTGTCTGGGCCTGCAAATCCTGTGCTCCCACTCCTGGCTCACTGTACAGCCC
 CAGTTCCACCCTGAGATTCGTGGCTGTGGGTGACTGGGGAGGGTCCCCAATGCCCATTCACACAGC
 CCGGAAATGGCCAATGCTAAAGAAATCGCCAGAACCGTGCAGATTATGGGCGTGACTTCATCATGTCC
 CTGGGGGACAACCTTCTACTTCACTGGAGTGCATGACGCCAATGACAAGAGGTTCCAGGAGACCTTTGAGG
 ATGTGTTCTCTGACCGTCCCTCCGCAACATCCCTGGTACGTGCTGGCTGGAAACCATGATCACCTTGG
 CAATGTCTCGGCACAAATTGCCTACTCCAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTATTACCGT
 TTGCGTTTCAAAGTTCGCGGTGCAACATCACCGTGGCCATCTTTATGCTGGACACCGTGATGCTGTGTG
 GCAATTCGACGACTTTGTGAGCCAGCAGCCTGAAATGCCCGAGACCTGGGAGTGGCCCGCACTCAGCT
 GTCCTGGCTCAAAAAACAGTTGGCAGCAGCCAAGGAGGACTATGTTTTGGTGGCCGGTCACTACCCCATC
 TGGTCCATCGCCGAGCACGGACCCACCCGCTGCCTGGTCAAGAACCTTGGGCCATTGTTGGCTGCATACG
 GGGTCAACCGCTACCTGTGTGGCATGACCACAACCTGCAGTATCTTCAGGATGAGAACCGTGTGGGCTA
 TGTGCTGAGTGGGCGCGCAACTTCATGGACCCTTCCGTGCGGCATCAACGAAAGGTCCTCAACCGCTAC
 CTACGCTTTCATATGGATCTGAGGACTCTCTGGTGGCTTACATACGTGGAGATAGGCTCCAAAGAAA
 TGAGCATCACGTATGTGGAAGCCTCTGGAAATCACTCTCAAGACCAGCCTCCCGAGGCGACCCAGACC
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001270889



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Insert Size:	984 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001270889.1</u> , <u>NP_001257818.1</u>
RefSeq Size:	1473 bp
RefSeq ORF:	984 bp
Locus ID:	25732
UniProt ID:	<u>P29288</u>
Cytogenetics:	8q13
Gene Summary:	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] Transcript Variant: This variant (2) contains an alternate 5' exon, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.