

Product datasheet for **SC317192**

Tartrate Resistant Acid Phosphatase (ACP5) (NM_001111036) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tartrate Resistant Acid Phosphatase (ACP5) (NM_001111036) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACP5
Synonyms:	HPAP; TRACP5a; TRACP5b; TRAP; TrATPase
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001111036, the custom clone sequence may differ by one or more nucleotides ATGGACATGTGGACGGCGTCTCATCCTGCAAGCCTTGTGCTACCCTCCCTGGCTGAT GGTGCCACCCCTGCCCTGCGCTTTGTAGCCGTGGGTGACTGGGGAGGGTCCCAATGCC CCATTCCACACGGCCCGGAAATGGCCAATGCCAAGGAGATCGCTCGGACTGTGCAGATC CTGGGTGCAGACTTCATCCTGTCTCTAGGGGACAATTTTACTTCACTGGTGTGCAAGAC ATCAATGACAAGAGGTTCCAGGAGACCTTTGAGGACGTATTCTCTGACCGCTCCCTTCGC AAAGTGCCTGGTACGTGCTAGCCGAAACCATGACCACCTTGGAATGTCTCTGCCAG ATTGCATACTCTAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTTCTACCGCCTGCAC TTCAAGATCCCACAGACCAATGTGTCTGTGGCCATTTTTATGCTGGACACAGTGACACTA TGTGGCAACTCAGATGACTTCCTCAGCCAGCAGCCTGAGAGGCCCCGAGACGTGAAGCTG GCCCGCACACAGCTGTCTGGCTCAAGAAACAGCTGGCGGCGGCCAGGGAGGACTACGTG CTGGTGGCTGGCCACTACCCCGTGTGGTCCATAGCCGAGCACGGGCTACCCACTGCCTG GTCAAGCAGCTACGGCCACTGCTGGCCACATACGGGTCACTGCCTACCTGTGCGGCCAC GATCACAATCTGCAGTACCTGCAAGATGAGAATGGCGTGGGCTACGTGCTGAGTGGGCT GGGAATTTTCATGGACCCCTCAAAGCGGCACCAGCGCAAGGTCCCCAACGGCTATCTGCGC TTCCACTATGGGACTGAAGACTCACTGGGTGGCTTTGCCTATGTGGAGATCAGCTCCAAA GAGATGACTGTCACTTACATCGAGGCCTCGGGCAAGTCCCTCTTTAAGACCAGGCTGCC AGGCGAGCCAGGCC
Restriction Sites:	Please inquire
ACCN:	NM_001111036
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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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_001111036.1, NP_001104506.1</u>
RefSeq Size:	1590 bp
RefSeq ORF:	978 bp
Locus ID:	54
UniProt ID:	<u>P13686</u>
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Riboflavin metabolism
Gene Summary:	<p>This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1-5 encode the same protein.</p>