

## Product datasheet for SC317190

### Tartrate Resistant Acid Phosphatase (ACP5) (NM\_001111034) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tartrate Resistant Acid Phosphatase (ACP5) (NM_001111034) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACP5
Synonyms:	HPAP; TRACP5a; TRACP5b; TRAP; TrATPase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317190 representing NM_001111034. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGACATGTGGACGGCGCTGCTCATCCTGCAAGCCTTGTGCTACCCTCCCTGGCTGATGGTGCCACC
CCTGCCCTGCGCTTTGTAGCCGTGGGTGACTGGGAGGGGTCCCCAATGCCCATTCACACGGCCCGG
GAAATGGCCAATGCCAAGGAGATCGCTCGGACTGTGCAGATCCTGGTGACAGACTTCATCTGTCTTA
GGGACAATTTTACTTCACTGGTGTGCAAGACATCAATGACAAGAGGTTCCAGGAGACCTTTGAGGAC
GTATTCTCTGACCGCTCCCTTCGCAAAGTGCCCTGGTACGTGCTAGCCGAAACCATGACCACCTTGGC
AATGTCTCTGCCAGATTGCATACTCTAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTCTACCGC
CTGCACCTCAAGATCCCACAGACCAATGTGTCTGTGGCATTTTATGCTGGACACAGTGACACTATGT
GGCAACTCAGATGACTTCCTCAGCCAGCAGCCTGAGAGGCCCGAGACGTGAAGCTGGCCCGCACACAG
CTGTCTGGCTCAAGAAACAGCTGGCGGCGCCAGGGAGGACTACGTGCTGGTGGCTGGCCACTACCCC
GTGTGGTCCATAGCCGAGCACGGGCTACCCACTGCCTGGTCAAGCAGCTACGGCCACTGCTGGCCACA
TACGGGTCACTGCCTACCTGTGCGGCCACGATCACAATCTGCAGTACCTGCAAGATGAGAATGGCGTG
GGCTACGTGCTGAGTGGGCTGGGAATTCATGGACCCCTCAAAGCGGCACCAGCGCAAGTCCCCAAC
GGCTATCTGCGCTTCCACTATGGGACTGAAGACTCACTGGGTGGCTTTGCCTATGTGGAGATCAGCTCC
AAAGAGATGACTGTCACCTACATCGAGGCTCGGGCAAGTCCCTTTAAGACCAGGCTGCCGAGGCGA
GCCAGGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001111034



<b>Insert Size:</b>	978 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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_001111034.2</a>
<b>RefSeq Size:</b>	1641 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	54
<b>UniProt ID:</b>	<a href="#">P13686</a>
<b>Cytogenetics:</b>	19p13.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysosome, Riboflavin metabolism
<b>MW:</b>	36.6 kDa
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR compared to variant 1. Variants 1-5 encode the same protein.</p>