

Product datasheet for SC119151

Tartrate Resistant Acid Phosphatase (ACP5) (NM_001611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tartrate Resistant Acid Phosphatase (ACP5) (NM_001611) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tartrate Resistant Acid Phosphatase
Synonyms:	HPAP; TRACP5a; TRACP5b; TRAP; TrATPase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001611 edited
 GAATTCGGCACCAGGGACAGCCCTCGGAGAACTGCATCATCCTCACTAATGATCCACT
 CCTCCTCAGGGAATAAAGGCTCAGGGACCGGAGTTCTACTCTGGAGCCCACAGCCTCT
 CAGAGCCTCCGGTGACTGGCCTGTGTCTCCCCCTGGATGGACATGTGGACGGCGCTGCTC
 ATCCTGCAAGCCTTGTGCTACCCTCCCTGGCTGATGGTGCCACCCTGCGCTGCGCTTT
 GTAGCCGTGGGTGACTGGGGAGGGTCCCCAATGCCCCATTCCACACGGCCCGGAAATG
 GCCAATGCCAAGGAGATCGCTCGGACTGTGCAGATCCTGGGTGCAGACTTCATCCTGTCT
 CTAGGGGACAATTTTACTTCACTGGTGTGCAAGACATCAATGACAAGAGGTTCCAGGAG
 ACCTTTGAGGACGTATTCTGTACCGCTCCCTTCGAAAGTGCCTGGTACGTGCTAGCC
 GGAACCATGACCACCTGGCAATGTCTCTGCCAGATTGCATACTAAGATCTCCAAG
 CGCTGGAACCTTCCCAGCCCTTCTACCGCCTGCACTTCAAGATCCCACAGACCAATGTG
 TCTGTGGCCATTTTATGCTGGACACAGTGACACTATGTGGCAACTCAGATGACTTCCTC
 AGCCAGCAGCCTGAGAGGCCCGAGACGTGAAGCTGGCCCGCACAGCTGTCCTGGCTC
 AAGAAACAGCTGGCGGGCCAGGGAGGACTACGTGCTGGTGGCTGGCCACTACCCCGTG
 TGGTCCATAGCCGAGCACGGGCTACCCACTGCCTGGTCAAGCAGCTACGGCCACTGCTG
 GCCACATACGGGGTCACTGCCTACCTGTGCGGCCACGATCACAATCTGCAGTACCTGCAA
 GATGAGAATGGCGTGGGCTACGTGCTGAGTGGGGCTGGGAATTTTCATGGACCCCTCAAAG
 CGGCACCAGCGCAAGTCCCCAACGGCTATCTGCGCTTCCACTATGGGACTGAAGACTCA
 CTGGGTGGCTTTGCTATGTGGAGATCAGCTCCAAGAGATGACTGTCACTTACATCGAG
 GCCTCGGGCAAGTCCCTCTTAAAGACCAGGCTGCCGAGGCGAGCCAGGCCCTGAACCTCCC
 ATGACTGCCAGCTCTGAGGCCGATCTCCACTGTTGGGTGGGTGGGCCCTGCCGGGACC
 CTGCTCACAGGCAGGCTTTTCTCCAACCTGTGGCGTGCAGCAGGGCAGGAAGGGGAAA
 CACAGCTGATGAACTGTGGTGCCACATGACCCTTGTGGCAGAGTCCCCACGTATGTGAA
 ACACACATGGACATGTGTCCAGCCACAGTGTTATGCTCTGTGGTGGCTCACCTTTGCT
 GAGTTCGGGGTGAATGGGGAGGGAGGGAGGAAAGCTTCTCCTAAATCAAGCATCT
 TTCTGTTACTGATGTTCAATAAAAAGAATAGTTGCCAAGGCTGAAAAAAAAAAAAAAAAAA
 AAACTCGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001611 unedited</p> <pre> TAATTTGTAATACGACTCACTCATAGGGCGGCCGGAATTCGCACCAGGACAGCCCTCGG AGAAATGCATCATCCTCACTAATGATCCACTTCTCCTCAGGGAATAAAGGCTCAGGGA CCGGCAGTTCTACTCTGGAGCCCACCAGCCTCTCAGAGCCTCCGGTGACTGGCCTGTGTC TCCCCCTGGATGGACATGTGGACGGCGTGCTCATCCTGCAAGCCTTGTGCTACCCTCC CTGGCTGATGGTGCCACCCTGCCCTGCGCTTTGTAGCCGTGGTGACTGGGGAGGGGTC CCCAATGCCCATTCACACGGCCCGGAAATGGCCAATGCCAAGGAGATCGCTCGGACT GTGCAGATCCTGGTGCAGACTTCATCCTGTCTCTAGGGGACAATTTTTACTTCACTGGT GTGCAAGACATCAATGACAAGAGGTTCCAGGAGACCTTTGAGGACGTATTCTCTGACCGC TCCCTTCGCAAAGTGCCCTGGTACGTGCTAGCCGAAACCATGACCACCTTGGAATGTC TCTGCCAGATTGCATACTCTAAGATCTCAAGCGCTGGAACCTCCCAGCCCTTTCTAC CGCCTGCACCTCAAGATCCCACAGACCAATGGTGTCTGTGGCATTTTTATGCTGGACAC AGTGACACTATGTGGCAACTCAGATGACTTCTCAGCCAGCAGCCTGAGATGCCCGGAGA CGTGAAGCTGGGCCGACACAGCTGTCTGGCTCAAGAACAGCTGGCGGGGCCANGGAG GACTACGTGCTGGTGGCTGGNCCTACCCNGTGTGGTCATAGCCGAGCACGGCCTACCACT GNNCTGTGAGCAGCTACGGCACTGCTGGNCCATACNGNGTCACTGNCTACCTGTGCGNCA CATCACATCTGAGTACTGCAGATAGAATGGCGTGGGCTACTGCTGAGTGGCTTGGATTN CATGGACCCTCAGNNGACANNGCAGGTCNACGCATTTGGCTCCNTTGGGACGAACNTCT GGTTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001611
Insert Size:	1550 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_001611.2 , NP_001602.1

RefSeq Size:	1413 bp
RefSeq ORF:	978 bp
Locus ID:	54
UniProt ID:	P13686
Cytogenetics:	19p13.2
Domains:	Metallophos
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 (4) differs in the 5' UTR compared to variant 1. Variants 1-5 encode the same protein.</p>