

Product datasheet for SC123582

Acid Phosphatase (ACP1) (BC020699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acid Phosphatase (ACP1) (BC020699) Human Untagged Clone
Tag:	Tag Free
Symbol:	Acid Phosphatase
Synonyms:	HAAP; LMW-PTP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC020699 edited
 GAACGCCGCGGTCTCGCGCCTCTGCGCGCGGAAGATGGCGGAACAGGCTACCAAGT
 CCGTGCTGTTTGTGTCTGGGTAACATTTGTCGATCACCCATTGCAGAAGCAGTTTCA
 GGAAACTTGTAACCGATCAAACATCTCAGAGAATTGGAGGGTAGACAGCGCGCAACTT
 CCGGTGGGTCAATTGACAGCGGTGCTGTTTCTGACTGGAACGTGGGCCGGTCCCCAGACCC
 AAGAGCTGTGAGCTGCCTAAGAAATCATGGCATTACACAGCCATAAAGCAAGACAGGT
 AGACAAGCTCTTGTTCATTTCTAATATATAGAGTCCAGTAACTTGAGAAGTAGCGAAAG
 GATTAACCAGACTTGATATTAATGAATGTGTTTATTTAGGGTGAGCTTAACCAGCTATG
 GTGTGCCATTTGTTTCACTTCTGGTGCACGGTGTGAAAGACTTGCCTGACTTTGGA
 ATTTACTTATTAATGCACATAAAAGCTAGGTAATTTATAATGAGAGAGCCTGACTGTG
 AGCTGGGGCTGAGCGGTGCTCTGTCTTCTGTTCCCTTCTGCATAATTTTTATTAACATT
 TAGGCCATAGTAATCATCTGCTGATATTGCAAGTTTGTGCTAGAATGAGGTTATATAA
 TATATACAAAAACATTTTTCAACTGTAAAGTGCCTTAGTAATATAGGGTAATACCAGCA
 ACATTATGGATATATAATTATAGTCTATTGGCCACACTTAAGTTTGGAGTCTAATAAAG
 TCACAATCAAATCTGCAATTTCAATTGAAGATAACCTTGTCTTTATATTATGAATTAGA
 AGCTAAAGTTGATTTTTCTAAGAGTTCTTTATTTAAATGAAGTACTCTGGGACTGACCTT
 TTCGAAATGGAATCTTCATTGGTCAGGTGATTCAACATTTTTATACAATTTATCCATCC
 TCATCTCTCAGGATTTGCATACCTTCCAGTTTCTACTGGCCATTGTTGAAAATACATT
 TATTTGGAGAAGTCCAAAGCCAAGGGCTCATGGGGCTGTGAGGTCCTTCTTGTGCATC
 GTCTGTGGTAGAAGGTGGAGGAGTCAAGAGAGTGCCCCAGAGTGAGTGAGAGCGAGAAC
 TAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC020699 unedited GCAGTTGGGATTTGTNATACGACTTCACTATAGGGCGGCCGGAATTCGCCATTACGGCC GGGGGAACGCCCGGTGTCTCGGCCTCTGCGCGGGAAGATGGCGGAACAGGCTACC AAGTCCGTGCTGTTTGTGTGCTGGTAACATTTGTCGATCACCCATTGCAGAAGCAGTT TTCAGGAACTTGTAAACCGATCAAACATCTCAGAGAATTGGAGGGTAGACAGCGCGGCA ACTTCCGGTGGGTCAATTGACAGCGGTGCTGTTTCTGACTGGAACGTGGCCCGTCCCCAG ACCCAAGAGCTGTGAGCTGCCTAAGAAATCATGGCATTACACAGCCCATAAAGCAAGAC AGGTAGACAAGCTTTGTTCAATTTCTAATATATAGAGTCCAGTAACTTGAGAAGTAGCG AAAGGATTAACCAGACTGTATATTAATGAATGTGTTATTTAGGGTGAGCTTAACCAGC TATGGTGTGCCATTTTGTTCCTTCTGGTTGCACGGTGTGAAAGACTTGCCTGACTT TGGAAATTTACTTATTAATAATGCACATAAAAGCTAGGTAATTTATAATGAGAGAGCCTGAC TGTGAGCTGGGGCTGAGCGGTGCTCTGTCTTCTGTTTCTCTGCATAATTTTTATTAA CATTTAGCCATAGTAATCATCCCTGCTGAAATGCAAGTTTGTGCTAGNAATGAGGTT ATATAATATACAAAAACCTTTTTTCAACTGTAAGTGCCTCTAATAATATAGGGGTA ATACCAGCCACCATTAATGGATATTATAATTATAAGTCTATTGGGGCCCCACTTAAATTT GGGAGTCCAATAAAAGCCACAATCCAAATCTGGCATTTCATGAGGATAACCTGTCT TTNTTTTTATGGAATAGAAAGCTCAAGTTGGATTTT
Restriction Sites:	Please inquire
ACCN:	BC020699
Insert Size:	1169 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).
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:	BC020699.1
RefSeq Size:	1169 bp
Locus ID:	52
Cytogenetics:	2p25.3
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	Adherens junction, Riboflavin metabolism

Gene Summary:

The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophosphoric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three common alleles segregating at the corresponding locus give rise to six phenotypes. Each allele appears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Aug 2008]