

Product datasheet for RC212157

Acid Phosphatase (ACP1) (NM_001040649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acid Phosphatase (ACP1) (NM_001040649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acid Phosphatase
Synonyms:	HAAP; LMW-PTP; LMWPTP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212157 representing NM_001040649 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGAACAGGCTACCAAGTCCGTGCTGTTTGTGTCTGGGTAACATTTGTCGATCACCCATTGCAG AAGCAGTTTTAGGAACTTGTAAACCGATCAAACATCTCAGAGAATTGGAGGGTAGACAGCGCGGCAAC TTCCGGGTATGAGATAGGGAACCCCTGACTACCGAGGGCAGAGCTGCATGAAGAGGCACGGCATTCCC ATGAGCCACGTTGCCCGCAGGTACCGTCCTTGGACTTGAAGTTGTGTGTTTGTGTTTCAGTGGGTCAT TGACAGCGGTGCTGTTTCTGACTGGAACGTGGCCGGTCCCCAGACCCAAGAGCTG ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA >RC212157 representing NM_001040649 Red=Cloning site Green=Tags(s) MAEQATKSVL FVCLGNICRSPIAEAVFRKLVTDQNI SENWRVDSAATSGYEIGNPPDYRGQSCMKRHGIP MSHVARQVPSLDLKL CVLCFSGSLTAVLFLTGTWAGPQTQEL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Protein Sequence:	>RC212157 representing NM_001040649 Red=Cloning site Green=Tags(s) MAEQATKSVL FVCLGNICRSPIAEAVFRKLVTDQNI SENWRVDSAATSGYEIGNPPDYRGQSCMKRHGIP MSHVARQVPSLDLKL CVLCFSGSLTAVLFLTGTWAGPQTQEL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/ja3437_a04.zip
Restriction Sites:	Sgfl-Mlul



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Reconstitution Method:

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_001040649.2](#), [NP_001035739.1](#)

RefSeq Size: 658 bp

RefSeq ORF: 339 bp

Locus ID: 52

Cytogenetics: 2p25.3

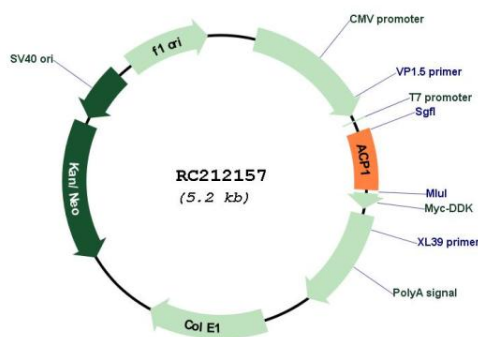
Protein Families: Druggable Genome, Phosphatase, Transmembrane

Protein Pathways: Adherens junction, Riboflavin metabolism

MW: 12.2 kDa

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]

Product images:



Circular map for RC212157