

Product datasheet for RC210752L2

OriGene Technologies, Inc.

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Tartrate Resistant Acid Phosphatase (ACP5) (NM 001611) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tartrate Resistant Acid Phosphatase (ACP5) (NM_001611) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Tartrate Resistant Acid Phosphatase

Synonyms: HPAP; TRACP5a; TRACP5b; TRAP; TrATPase

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone

Sequence:

The ORF insert of this clone is exactly the same as(RC210752).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_001611

ORF Size: 975 bp



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OTI Disclaimer:

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 customercom or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: 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 001611.2</u>

RefSeq Size: 1506 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

MW: 36.6 kDa

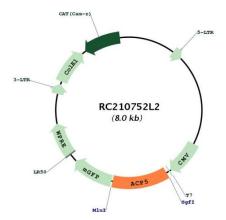
Gene Summary: This gene encodes an iron containing glycoprotein which catalyzes the conversion of

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

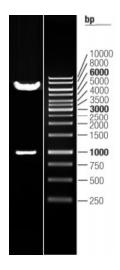
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Product images:



Circular map for RC210752L2



Double digestion of RC210752L2 using Sgfl and Mlul $\,$