

Product datasheet for RC201775L2

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GNPAT (NM_014236) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GNPAT (NM_014236) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: GNPAT

Synonyms: DAP-AT; DAPAT; DHAPAT; RCDP2

Mammalian Cell None

Selection:

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201775).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_014236

ORF Size: 2040 bp



GNPAT (NM_014236) Human Tagged Lenti ORF Clone - RC201775L2

OTI Disclaimer: 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

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 014236.2</u>

 RefSeq Size:
 2687 bp

 RefSeq ORF:
 2043 bp

 Locus ID:
 8443

 UniProt ID:
 015228

Cytogenetics: 1q42.2

Domains: Acyltransferase

Protein Families: Druggable Genome

Protein Pathways: Glycerophospholipid metabolism

MW: 77.2 kDa

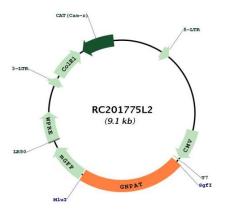
Gene Summary: This gene encodes an enzyme located in the peroxisomal membrane which is essential to the

synthesis of ether phospholipids. Mutations in this gene are associated with rhizomelic chondrodysplasia punctata. Two transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Oct 2015]



Product images:



Circular map for RC201775L2