

Product datasheet for RC208407L4

OriGene Technologies, Inc.

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DPAGT1 (NM_203316) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DPAGT1 (NM 203316) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: DPAGT1

Synonyms: GPT, ALG7, DGPT, G1PT, UAGT, UGAT, DPAGT, CDG-Ij, DPAGT2, D11S366

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC208407).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_203316

ORF Size: 903 bp





DPAGT1 (NM_203316) Human Tagged Lenti ORF Clone - RC208407L4

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 203316.1</u>, <u>NP 976061.1</u>

RefSeq Size:2038 bpRefSeq ORF:905 bpLocus ID:1798

Cytogenetics:

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

11q23.3

MW: 34.3 kDa

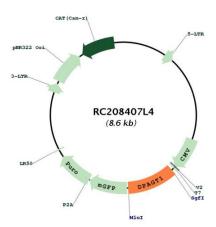
Gene Summary: The protein encoded by this gene is an enzyme that catalyzes the first step in the dolichol-

linked oligosaccharide pathway for glycoprotein biosynthesis. This enzyme belongs to the glycosyltransferase family 4. This protein is an integral membrane protein of the endoplasmic reticulum. The congenital disorder of glycosylation type Ij is caused by mutation in the gene

encoding this enzyme. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC208407L4