

Product datasheet for RC200133L1

PNPO (NM_018129) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PNPO (NM_018129) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PNPO

Synonyms: HEL-S-302; PDXPO

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200133).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_018129

ORF Size: 783 bp



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PNPO (NM_018129) Human Tagged Lenti ORF Clone - RC200133L1

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 018129.2</u>

 RefSeq Size:
 3482 bp

 RefSeq ORF:
 786 bp

 Locus ID:
 55163

 UniProt ID:
 Q9NVS9

Cytogenetics: 17q21.32

Domains: Pyridox oxidase

Protein Pathways: Metabolic pathways, Vitamin B6 metabolism

MW: 30 kDa

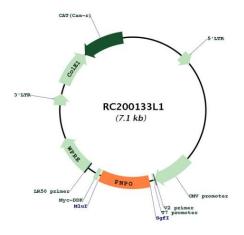
Gene Summary: The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of

pyridoxal 5'-phosphate, also known as vitamin B6. Vitamin B6 is a required co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine. Mutations in this gene result in pyridoxamine 5'-phosphate oxidase (PNPO)

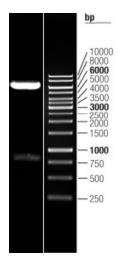
deficiency, a form of neonatal epileptic encephalopathy. [provided by RefSeq, Oct 2008]



Product images:



Circular map for RC200133L1



Double digestion of RC200133L1 using Sgfl and Mlul $\,$