

Product datasheet for RC226819L3

OriGene Technologies, Inc.

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PTPH1 (PTPN3) (NM_001145370) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTPH1 (PTPN3) (NM_001145370) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PTPH1

Synonyms: PTP-H1; PTPH1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone

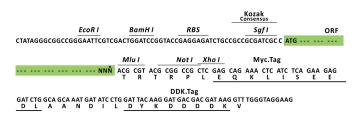
Sequence:

The ORF insert of this clone is exactly the same as(RC226819).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001145370

ORF Size: 2607 bp





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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: NM 001145370.1, NP 001138842.1

RefSeq Size: 8648 bp RefSeq ORF: 2214 bp Locus ID: 5774 **UniProt ID:** P26045

9q31.3 **Protein Families:** Druggable Genome, Phosphatase

MW: 98.9 kDa

Cytogenetics:

Gene Summary: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP)

> family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. P97, a cell cycle regulator involved in a variety of membrane related functions, has been shown to be a substrate of this PTP. This PTP was also found to interact with, and be regulated by adaptor protein 14-3-3 beta. Several alternatively spliced transcript variants encoding different isoforms have been found

for this gene. [provided by RefSeq, Feb 2009]