

Product datasheet for RC224807L3

OriGene Technologies, Inc.

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HN1 (JPT1) (NM_001002032) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HN1 (JPT1) (NM 001002032) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: JPT1

Synonyms: ARM2; HN1; HN1A

Mammalian Cell Puromycin

Selection:

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

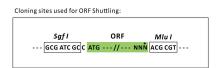
E. coli Selection: Chloramphenicol (34 ug/mL)

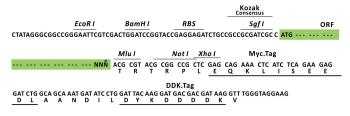
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC224807).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001002032

ORF Size: 543 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: <u>NM 001002032.1</u>

RefSeq Size: 1582 bp
RefSeq ORF: 546 bp
Locus ID: 51155
UniProt ID: Q9UK76
Cytogenetics: 17q25.1

MW: 19.7 kDa

Gene Summary: Modulates negatively AKT-mediated GSK3B signaling (PubMed:21323578, PubMed:22155408).

Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the

inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the

APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions

(PubMed:25169422). Plays a role in the regulation of cell cycle and cell adhesion

(PubMed:25169422, PubMed:25450365). Has an inhibitory role on AR-signaling pathway

through the induction of receptor proteosomal degradation (PubMed:22155408).

[UniProtKB/Swiss-Prot Function]