

Product datasheet for RC210089L3

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OriGene Technologies, Inc.

WNT2 (NM_003391) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: WNT2 (NM 003391) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: WNT2

Synonyms: INT1L1; IRP

Mammalian Cell

Selection:

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

Puromycin

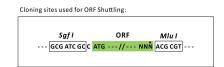
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210089).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_003391

ORF Size: 1080 bp





WNT2 (NM_003391) Human Tagged Lenti ORF Clone - RC210089L3

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 003391.1</u>

 RefSeq Size:
 2907 bp

 RefSeq ORF:
 1083 bp

 Locus ID:
 7472

 UniProt ID:
 P09544

Cytogenetics: 7q31.2

Domains: wnt

Protein Families: Adult stem cells, Cancer stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell

relevant signaling - Wnt Signaling pathway

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt

signaling pathway

MW: 40.4 kDa

Gene Summary: This gene is a member of the WNT gene family. The WNT gene family consists of structurally

related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and

patterning during embryogenesis. Alternatively spliced transcript variants have been

identified for this gene. [provided by RefSeq, Jul 2008]