

# Product datasheet for RC222670L1

### WNT8B (NM\_003393) Human Tagged Lenti ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	WNT8B (NM_003393) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	WNT8B
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222670).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1         ORF         Mlu1            GCG ATC GC         ATG// NNŇ         ACG CGT
	Kozak Consensus
	EcoR I         BamH I         RBS         Sgf I         ORF           CTATAGGGCGGCGGGAATTCGCCGCACTGGATCCGGGTACCGAGGAGATCTGCCGCCGCGCGATCGC C         ATG

Mlu I Not I <u>Xho I</u> Myc.Tag More acg cgt acg cgg ccg ctg gag cag aaa ctc atc tca gaa gag T R T R P L <u>E Q K L I S E E</u> DDK.Tag

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC \_\_\_\_\_\_\_A A N D I L \_\_\_\_\_Y K D D D K V Stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_003393 1053 bp

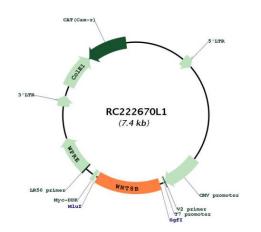


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<b>ORIGENE</b> WNT8B (NM_003393) Human Tagged Lenti ORF Clone – RC222670L1	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same 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. <u>More info</u>
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 003393.2</u>
RefSeq Size:	2117 bp
RefSeq ORF:	1056 bp
Locus ID:	7479
UniProt ID:	<u>Q93098</u>
Cytogenetics:	10q24.31
Domains:	wnt
Protein Families:	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:	38.5 kDa
Gene Summary:	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. This gene is a member of the WNT gene family. It encodes a protein which shows 95%, 86% and 71% amino acid identity to the mouse, zebrafish and Xenopus Wnt8B proteins, respectively. The expression patterns of the human and mouse genes appear identical and are restricted to the developing brain. The chromosomal location of this gene to 10q24 suggests it as a candidate gene for partial epilepsy. [provided by RefSeq, Jul 2008]

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## **Product images:**



bp 10000 6000 5000 4000 3500 2000 1500 1500 1500 -2000 -1500 -500 -500 -250 Circular map for RC222670L1

Double digestion of RC222670L1 using Sgfl and Mlul

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