

## Product datasheet for **MC209657**

### Wnt7b (NM\_001163634) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt7b (NM_001163634) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt7b
Synonyms:	Wnt-7b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209657 representing NM_001163634 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCTCTGTCGCCGCGCAGCGCTGGTCTCCGTCTATTGCCGCGAGATCTTTCTCCTTCTGTCCA  
GCGGCAGTTACCTAGCATTGTCACTCCGTGGTGGCCCTGGGAGCCAACATCATCTGCAACAAGATTCCTGG  
CCTGGCCCCACGGCAGCGTGCCATCTGCCAGAGCCGACCCGATGCCATCATTGTGATCGGGGAGGGGGCG  
CAGATGGGCATCGACGAGTGCCAGCACCAGTCCGATTCGGCCGCTGGAAGTCTCCGCCCTGGGCGAGA  
AGACCGTCTTCGGCAAGAAGTCCGAGTAGGGAGTCGAGAGGCTGCCTTACCTATGCCATCACGGCGGC  
GGCGTGGCGCATGCTGTACCGCTGCCTGCAGCCAGGGCAATCTGAGCAATTGTGGCTGTACCGGGAG  
AAGCAAGGCTACTACAACCAGGCGGAAGGCTGGAAGTGGGGGGGCTGCTCAGCGGACGTCGCTACGGCA  
TCGACTTTTCTCGTCGCTTTGTGGATGCCCGTGAGATCAAAAAGAAGCCAGGCGCCTCATGAACCTTCA  
CAACAATGAGGCGGGCAGAAAGTTCTGGAGGACCGCATGAAGCTGGAATGTAAGTGTACGGTGTGTCA  
GGCTCCTGTACCACAAAAGTGTGTTGACACGCTACCTAAGTTCGCGGAGGTGGCCACCTGCTCAAGG  
AGAAGTACAACGACGCGGTGCAGGTGGAGGTGGTGGAGCCAGCCGCTGCGCCAGCCACCTTCTCGC  
CATCAAGCAGCTACGCAGCTACCAGAAGCCTATGGAGACGGACCTGGTGTACATCGAGAAGTCGCCAAC  
TACTGCGAGGAGGACGCGCCACGGCAGCGTGGCAGCAGCGCCGCTGTGCAACCGCACCTCGCCGG  
GGCCGACGGCTGTGACACCATGTGCTGCGGCCGCGGTACAACACGCACCAAGTACACCAAGGTGTGGCA  
GTGTAAGTCAAATTCCTGTTGCTTCAAGTGAACACGTCGACGAGCGCACCGAGGCTTTC  
ACCTGCAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1569\\_h10.zip](https://cdn.origene.com/chromatograms/ja1569_h10.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001163634
<b>Insert Size:</b>	1062 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001163634.1</a></u> , <u><a href="#">NP_001157106.1</a></u>
<b>RefSeq Size:</b>	3510 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	22422
<b>UniProt ID:</b>	<u><a href="#">P28047</a></u>
<b>Cytogenetics:</b>	15 40.39 cM
<b>Gene Summary:</b>	Ligand for members of the frizzled family of seven transmembrane receptors that functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:15923619, PubMed:28803732). Required for normal fusion of the chorion and the allantois during placenta development (PubMed:11543617). Required for central nervous system (CNS) angiogenesis and blood-brain barrier regulation (PubMed:28803732).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an alternate 5' terminal exon compared to variant 1, and encodes a slightly longer isoform (2) with a distinct N-terminus compared to isoform 1.