

## Product datasheet for MC209650

### Wnt2b (NM\_009520) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt2b (NM_009520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt2b
Synonyms:	Wnt13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209650 representing NM_009520 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAAGTGCAGGGTGAAGTGAAGCCGCGCAGCTCGCCCTCGGCGTGCCCGCTCCCGTGCCCA  
GACCCACGGCCCCGACGTGTCCCATCTTCGCCCGCTGGGTCTTGCCTGCCTGCTGCTGCTACT  
CCTGACTCTGCCGGCCGTGTAGACACGTCTGGTGGTACATAGGGGCTCTGGGAGCCGAGTGATCTGT  
GACAACATCCCCGGTCTGGTGAAGCCGCGCAGCGGAGTTGTGTCAACGCTACCCAGACATCATGCGCTCAG  
TAGGTGAGGGTGCCCGGAATGGATCCGAGAGTGCCAGCACCAGTTCCGTACCACCGCTGGAATTGCAC  
CACACTGGACCGGACCACACTGTCTTTGGCCGCGCCATGCTCAGAAGCAGCCGGGAGGCAGCGTTTCGTC  
TATGCTATCTCGTCAGCAGGAGTGGTCCACGCTATCACTCGGGCCTGCAGCCAGGGTGAAGTGAAGTGT  
GCAGCTGTGACCCATATACCCGCGGTCCGACCATGATCAACGAGGGGACTTTGACTGGGGTGGCTGTAG  
TGACAACATCCATTACGGTGTTCGCTTTGCCAAGGCTTTGTGGATGCCAAAGAGAAGAGGCTTAAGGAT  
GCCCCGGCCCTCATGAACCTACACAACAACCGCTGTGGTGCACGGCTGTTCCGAGATTCCCTGAAGCTGG  
AGTGCAAGTGTACGGTGTGAGTGGCTCCTGTACTCTGCGCACCTGCTGGAGAGCACTCTCAGACTCCG  
ACGCACAGGTGACTACCTGAGGAGGCGATATGATGGGGCTGTGCAGGTGACGGCCACACAGGATGGGGCC  
AATTTACAGCAGCGCGCCAGGGCTATCGCCACGCCACCCGACTGATCTTGTCTACTTTGACAACCTCC  
CTGACTACTGTGCTTTGGACAAGGCTGCAGGTTCCCTAGGTACCGCAGGCCGCTCTGCAGCAAGACTTC  
TAAAGGAACAGATGGGTGTGAAATCATGTGTTGTGGCCGAGGGTATGACACAACCTCGGGTCAACCCGCTC  
ACCCAGTGTGAGTGCAAATTCCTGCTGTGCTGTGCGGTGCAAGGAGTGCAAGAACTGTGGATG  
TCCACACATGCAAGGCCCTAAGAAGGCAGAGTGGCTGGACCAGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja2351_g10.zip">https://cdn.origene.com/chromatograms/ja2351_g10.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_009520
<b>Insert Size:</b>	1170 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">BC119278</a> , <a href="#">AAI19279</a>
<b>RefSeq Size:</b>	3573 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	22414
<b>UniProt ID:</b>	<a href="#">O70283</a>
<b>Cytogenetics:</b>	3 45.88 cM
<b>Gene Summary:</b>	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:19686689). Plays a redundant role in embryonic lung development (PubMed:19686689).[UniProtKB/Swiss-Prot Function]