

## Product datasheet for **MC209654**

### Wnt5b (NM\_009525) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wnt5b (NM\_009525) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Wnt5b  
**Synonyms:** AW545702; Wnt-5b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC209654 representing NM\_009525  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGTCCCAGGGCATTGGGATGGGTTGAGGCCGGCCATGCCAGCCTGCTGCTGGTGGTCTGGGCAG  
CTCTGCTCTCCAGCTGGGCACAGCTGCTGACTGACGCCAACTCCTGGTGGTCACTAGCTCTGAACCCAGT  
GCAGAGACCGGAGATGTTTCATCATTGGCGCTCAGCCCGTGTGCAGCCAACCTCCTGGGCTTTCCCCAGGC  
CAGAGAAAGCTGTGTGAGTTGTATCAGGAGCACATGCTCCTACATCGGGGAGGGAGCCAAGACGGGCATCA  
GAGAGTGCCAACACCAGTTTCGACAGAGGCGCTGGAAGTGCAGCACCGTGGACAACACATCTGTCTTTGG  
CAGAGTTATGCAGATAGGTAGCCGAGAGACTGCCTTACAGTATGCAGTGAGCGCCGCTGGCGTGGTGAAT  
GCCATCAGCCGAGCCTGCAGAGAGGGTGAAGTGTCCACCTGTGGCTGCAGCCGTGCTGCGAGGCCAAGG  
ACCTGCCTCGGGACTGGCTGTGGGGTGGCTGTGGAGACAACGTGGAGTACGGCTACCGCTTTGCCAAGGA  
GTTTGTGGATGCCCGAGAGCGTGAGAAGAACTTTGCCAAGGATCGGAGGAGCAGGGCCGAGCTCTCATG  
AACCTACAGAACAACGAGGCTGGCCGCCGGCCGTGTATAAGATGGTGTATGTCGCTGCAAATGTCACG  
GAGTCTCCGGTCTGCAGCCTCAAGACCTGCTGGCTCCAGCTGGCCGAGTCCGCAAGGTTGGGGACCG  
TTTGAAGGAGAAGTACGACAGCGCCCGGCCATGCGCATACCCGCCAGGGCAAGCTGGAGCTGGCCAAC  
AGCCGCTTCAACCAGCCACCCAGAGGACCTGGTCTACGTGGACCCAGTCTGACTACTGCTTGGCTA  
ATGAGACCACAGGCTCCCTGGGCACCCAGGGTCGCCTCTGCAACAAGACCTCAGAGGGCATGGACGGCTG  
CGAGCTCATGTGCTGTGGCCGCGCTATGACCGCTTCAAGAGCGTTCAGGTGGAACGCTGCCACTGCAGG  
TTCCACTGGTGTGCTTTGTCAGATGCAAAAAATGCACCGAGGTTGTGGACCAGTATGTCTGTAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1795\\_b11.zip](https://cdn.origene.com/chromatograms/ja1795_b11.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_009525
<b>Insert Size:</b>	1119 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="#">BC010775</a> , <a href="#">AAH10775</a>
<b>RefSeq Size:</b>	2384 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	22419
<b>UniProt ID:</b>	<a href="#">P22726</a>
<b>Cytogenetics:</b>	6 56.86 cM
<b>Gene Summary:</b>	<p>Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>