

## Product datasheet for **MC227267**

### Wnt5b (NM\_001271758) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wnt5b (NM\_001271758) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Wnt5b  
**Synonyms:** AW545702; Wnt-5b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227267 representing NM\_001271758  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCAGCCTGCTGCTGGTGGTCGTGGCAGCTCTGCTCTCCAGCTGGGCACAGCTGCTGACTGACGCCA  
 ACTCCTGGTGGTCACTAGCTCTGAACCCAGTGCAGAGACCGGAGATGTTTCATCATTGGCGCTCAGCCGT  
 GTGCAGCCAACTTCTGGGCTTTCCCCAGGCCAGAGAAAGCTGTGTGAGTTGTATCAGGAGCACATGTCC  
 TACATCGGGGAGGGAGCCAAGACGGGCATCAGAGAGTGCCAACACCAGTTTCGACAGAGGCGCTGGAAC  
 GCAGCACCGTGGACAACACATCTGTCTTTGGCAGAGTTATGCAGATAGGTAGCCGAGAGACTGCCTTCAC  
 GTATGCAGTGAGCGCCGCTGGCGTGGTGAATGCCATCAGCCGAGCCTGCAGAGAGGGTGAGCTGTCCACC  
 TGTGGCTGCAGCCGTGCTGCGAGGCCAAAGGACCTGCCTCGGGACTGGCTGTGGGTGGCTGTGGAGACA  
 ACGTGGAGTACGGCTACCGCTTTGCCAAGGAGTTTGTGGATGCCCGAGAGCGTGAGAAGAACTTTGCCAA  
 GGGATCGGAGGAGCAGGGCCGAGCTCTCATGAACCTACAGAACAACGAGGCTGGCCGCGGGCCGTGTAT  
 AAGATGGCTGATGTCGCTGCAAATGTCACGGAGTCTCCGGTCTCTCAGCCTCAAGACCTGCTGGCTCC  
 AGCTGGCCGAGTCCGCAAGGTGGGGACCGTTTGAAGGAGAAGTACGACAGCGCCGCGCCATGCCGAT  
 CACCCGCCAGGGCAAGCTGGAGCTGGCCAAACAGCCGTTCAACCAGCCACCCAGAGGACCTGGTCTAC  
 GTGGACCCAGTCTGACTACTGCTGCGTAATGAGACCACAGGCTCCCTGGGCACCCAGGGTCGCTCT  
 GCAACAAGACCTCAGAGGGCATGGACGGCTGCGAGCTCATGTGCTGTGGCCGCGGCTATGACCGTTCAA  
 GAGCGTTCAGGTGGAACGCTGCCACTGCAGGTTCCACTGGTGTGCTTTGTGAGATGCAAAAAATGCACC  
 GAGGTTGTGGACAGTATGTCTGTAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271758



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<b>Insert Size:</b>	1080 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001271758.1, NP_001258687.1</u>
<b>RefSeq Size:</b>	2117 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	22419
<b>UniProt ID:</b>	<u>P22726</u>
<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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>