

## Product datasheet for **MC205374**

### Wnt2 (NM\_023653) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt2 (NM_023653) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt2
Synonyms:	2610510E18Rik; Int111; Irp; Mirp; Wnt-2; Wnt2a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC026373

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CGCATGGCGCCCGCACACGGAGTCTGACCTGATGTAGACGCAAGGGGGTTAATATGAACGTCCCTCTCGG
TGAATCTGGCTCTGGCTCCCTCTGCTCTTGACCTGGCTCACCCCTGAGGTCAGCTCTTCATGGTGGTAC
ATGAGAGCTACAGGTGGCTCCTCCAGGGTGATGTGTGACAATGTGCCAGGCCTGGTGAGCCGGCAGCGTC
AGCTGTGCCACCGACACCCAGATGTGATGCGTGCCATTGGCCTGGGTGTGGCTGAGTGGACTGCAGAGTG
CCAACACCAGTTCGCCAGCATCGCTGGAAGTCAACACCCTGGACAGAGATCACAGCCTCTTTGGCCGG
GTCCTCTCCGAAGTAGTCGAGAATCGGCCTTTGTTTACGCCATCTCTCAGCTGGCGTTGTATTTGCCA
TCACCAGGGCCTGTAGCCAAGGAGAATTAAGTCTGCTCCTGTGATCCAAAGAAGAAAGGAAGTGCCAA
GGACAGCAAAGGCACCTTCGACTGGGGTGGCTGCAGTGACAATATTGACTACGGGATCAAGTTTGCCCGT
GCCTTTGTAGATGCCAAGGAGAGAAAGGCAAGGATGCCAGGCCCTGATGAACCTCACAACAACAGAG
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TCTGAGGACATGCTGGCTGGCCATGGCTGACTTCAGGAAAACAGGCGACTATCTCTGGAGGAAGTACAAT
GGGGCCATCCAGGTAGTCATGAACCAGGATGGCACTGGCTTCACTGTAGCCAATAAGAGGTTTAAGAAGC
CAACGAAAAATGACCTCGTGTATTTTGAAGAATTCTCCAGACTACTGTATCAGGGACCGAGAGGCAGGCTC
CCTGGGTACAGCGGGCCGTGTGTGCAACTTGACTTCCCAGGCATGGACAGCTGCGAAGTTATGTGTTGT
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TCAAGGACACTGGACCTCTGGTGTGTTTTCAGGGGCTCTTTCTTAAGGCATGAAGCCTTCATCTCAAGAG
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GTTAGAGGAGGAGGGTCAAGCCCCCACCCTGTACCTAGACATTTCTCTTTGGCTGCGGGGAGAAA
CATCACATAGCGAAGGAACCTTCTCTGTGTTTTCCAGATTCCAACAACCCAGAAAGTCTGTGTTTCCCT
GGGGCGCGGGGTAGGGATGGAAGCAGAATGAGCTGACACCAAAATTTCTCGGATTTTTTAAAAAAAAG
AGTAAGCAAGGGCTTTAACTAAGTATGCTGTTGATAGCATCCTTGGTGACTTTCTAGAGAAAGATGGC
TTCCAATAAACATCAGGTTAAAAACAAAAA

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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_023653
<b>Insert Size:</b>	1083 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>	<a href="#">BC026373</a> , <a href="#">AAH26373</a>
<b>RefSeq Size:</b>	1719 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	22413
<b>UniProt ID:</b>	<a href="#">P21552</a>
<b>Cytogenetics:</b>	6 8.08 cM
<b>Gene Summary:</b>	Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:19686689). Functions as upstream regulator of FGF10 expression (PubMed:19686689). Plays an important role in embryonic lung development (PubMed:19686689). May contribute to embryonic brain development by regulating the proliferation of dopaminergic precursors and neurons (PubMed:20018874).[UniProtKB/Swiss-Prot Function]