

Product datasheet for MC209649

Wnt9b (NM_011719) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt9b (NM_011719) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt9b
Synonyms:	clf; clf1; wnt-14b; wnt-15; Wnt14b; Wnt15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209649 representing NM_011719 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCCGCGCCGCGCTGGCCCTGGCTGCGCTCTGCCTGCTGGTGCTGCCTGCCGCTGCCGCCCG
CCGCTACTTCGGCCTGACCGGTCGTGAGGTCCTGACACCCTCCAGGCCTGGGTACGGCAGCAGCCCC
GGCACAGGCTGGTGTACCTGAAGCAGTGTGACCTACTGAAGCTGTCCAGGCGGCAGAAGCAGCTCTGC
AGGCGGGAGCCCGCCTGGCTGAGACCCTGAGGGATGCTGCACACCTGGGGCTGTGGAATGTCAGTTCC
AGTTCAGGCAGGAGCGCTGGAAGTGCAGCCTGGAGGGGAGGACTGGCCTGCTCCAGAGAGGCTTTAAGGA
GACGGCCTTCCTGTATGCAGTGTCTGCAGCTGCCCTCACGCATGCACTGGCCAGGCCTGCAGTGTGGG
CGCATGGAGCGCTGACTTGTGACGACTCCCCAGGCCTGGAGAGCCGGCAGGCCTGGCAGTGGGGTGTGT
GTGGTGACAATCTGAAGTACAGCACCAAGTTCTCAGCAACTTCTGGGGCCCAAGAGAGGAAGCAAGGA
CCTGAGGGCGAGGGCTGACGCCACAACACCCACGTGGGCATCAAGGCTGTGAAGAGCGGCCTGAGAACA
ACCTGCAAGTGCCATGGTGTGTCAGGCTCCTGTGCTGTTCTGACCTGTTGGAAGCAGCTCTCCCCGTTTC
GCGAGACCGGCCAGGTGCTGAAGCTACGCTATGACACGGCTGTCAAGGTGTCCAGTGCACCAACAGGC
CTTGGGTGCTGAGACTATGGGCCCGCTAAGCCAGGTGGTCTGCCAGGCAAGTACTCTCCGGCACCGGCAG
GCAGGGTGTGTTCTCGAGACTCCAGTTGCAGCAGCCTATGCTGTGGCGAGGCTACGACACCCAGAGCCG
CATGGTGGTTTTCTCCTGCCACTGTCAGGTGCAAGTGGTGTGCTACGTGGAGTGCCAGCAGTGTGCACAG
CAGGAGCTCGTGTATACCTGCAAGCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1796_g07.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011719
Insert Size:	1080 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	BC110482 , AAI10483
RefSeq Size:	4519 bp
RefSeq ORF:	1080 bp
Locus ID:	22412
UniProt ID:	O35468
Cytogenetics:	11 67.47 cM

Gene Summary:

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:22461561, PubMed:16054034, PubMed:17537789). Required for normal embryonic kidney development, and for normal development of the urogenital tract, including uterus and part of the oviduct and the upper vagina in females, and epididymis and vas deferens in males (PubMed:16054034). Activates a signaling cascade in the metanephric mesenchyme that induces tubulogenesis (PubMed:16054034, PubMed:17537789). Acts upstream of WNT4 in the signaling pathways that mediate development of kidney tubules and the Mullerian ducts (PubMed:16054034). Plays a role in craniofacial development and is required for normal fusion of the palate during embryonic development (PubMed:16054034, PubMed:22461561, PubMed:25257647).[UniProtKB/Swiss-Prot Function]