

Product datasheet for **MC209647**

Wnt10b (NM_011718) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt10b (NM_011718) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt10b
Synonyms:	Wnt12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209647 representing NM_011718 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGGAGCCCGGTCTCGGCCTCCGCCCTTAGGCCTCGCGGTCTCCTGTTCTTGGCTTTGTTCA
GTCGGGCTCTAAGCAATGAGATTCTGGGCCTTAAACTTCCCGGTGAGCCGCGCTGACGGCAACACCGT
GTGCTTGACCCTGTCCGACTGAGTAAGCGACAGCTGGGGCTGTGCTGCGCAGCCCGACGTGACGGCG
TCGGCGCTCCAGGGGCTGCACATCGCCGTTACAGAGTGCAGCACCAGCTGCGCGACCAGCGCTGGA
GCTCGGCACTGGAGGGCGCGCGGCTGCCGACCACAGCGCCATCCTCAAGCGCGTTTCCGTGAGAG
TGCTTTCTCCTTCCATGCTGGCTGCTGGGGTCAATGATGCTGTTGCCACAGCCTGCAGCCTGGGCAAG
CTGGTGAGCTGCGGCTGCGGATGGAAGGTAGTGGTGAGCAAGACCGGCTTAGAGCCAAGCTGCTGCAGC
TTCAGGCACTGTCTCGGGCAAGACTTTCCCATCTCCAGCCAGCCCTGTTTCTGGCTCAGTCCCCAG
CCCCGGCCCCCAGGACACGTGGGAATGGGTGGCTGTAACCACGACATGGACTTCGGAGAGAAGTTCTCT
CGGGATTTCTGGATTCCAGGGAGGCTCCCCGGGACATCCAGGCGAGAATGCGGATCCACAACAACAGGG
TGGGACGCCAGGTGTAACGGAAAACCTGAAGCGGAAGTGCAATGCCATGGAACGTGAGGAGCGGCTGCCA
ATCAAGACCTGTTGGAGGGCAGCGCCAGAGTTCCGGGCCATCGGGCAGCACTGAGGGAGCGGCTGAGC
AGAGCCATCTTTATCGATACCCACAACCGCAACTCTGGAGCGTTCCAGCCCGCCTACGTCCGCGCGCC
TCTCTGGAGAGCTGGTTTACTTTGAGAAGTCTCCTGACTTCTGCGAGCGAGACCCTACTCTGGGCTCCCC
AGGCACGAGAGGCGGGCTTGAACAAGACCAGCCGCTCTTGGATGGCTGTGGCAGCCTGTGCTGTGGC
CGTGGGCAACAACGTGCTCCGGCAGACGCGAGTGGAGCGCTGCCACTGTGCTTTCCACTGGTGTGTATG
TGCTGTGTGATGAGTGTAAGTACAGAGTGGTCAATGTGTGTAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1303_c02.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011718
Insert Size:	1170 bp
OTI Disclaimer:	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).
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:	NM_011718.2 , NP_035848.1
RefSeq Size:	2272 bp
RefSeq ORF:	1170 bp
Locus ID:	22410
UniProt ID:	P48614
Cytogenetics:	15 54.65 cM
Gene Summary:	Member of the Wnt ligand gene family that encodes for secreted proteins, which activate the Wnt signaling cascade. Specifically activates canonical Wnt/beta-catenin signaling and thus triggers beta-catenin/LEF/TCF-mediated transcriptional programs. Involved in signaling networks controlling stemness, pluripotency and cell fate decisions. Acts in the immune system, mammary gland, adipose tissue, bone and skin.[UniProtKB/Swiss-Prot Function]