

Product datasheet for **MC218580**

Wnt9a (BC066165) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Wnt9a (BC066165) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Wnt9a
 Synonyms: Wnt14
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC066165
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGATGGGTCCTTCTGGCGCGTGGCTGGCCGCGGCTTCGGGCTGACGCTGCTGCTCGCCGCGC
 TGCGCCCTTCGGCCGCTACTTCGGGCTAACAGGCAGTGAACCCCTGACTATCCTCCCTCGACCCTGGA
 GACCGAGGCTGCGGCCAAGCACACTACAAGCCTGCGACAGGCTGAAGCTGGAGCGCAAGCAGCGCCGC
 ATGTGCCGAGGACCCGGGTGTGGCCGAGACACTGGTGGAGGCCGAAGCATGAGTGCCCTGGAGTGCC
 AGTACCAGTTCGCTTTGAGCGCTGGAAGTGCACCCCTGGAGGGCCGCTACCGAGCCAGCCTGCTCAAGCG
 AGGCTTCAAGGAGACTGCTTTCCTCTACGCCATCTCTTCTGCCGGCTGACGCATGCACTGGCCAAGGCC
 TGCAGTGCAGGCCGATGGAGCGCTGCACGTGTGATGAGGCACCCGACCTGGAAAACCGGAGGCCCTGGC
 AGTGGGGCGGCTGCGGGGACAACCTCAAGTACAGCAGCAAGTTTGTCAAGGAGTTCCTGGCCGCGGCTC
 TAGCAAGGATTTGCGAGCCCGAGTGGACTTCCACAACAACCTCGTGATAAAGGCTGGAGTGGAAACCACT
 TGCAAAATGCCATGGTGCCTGCTGGCTCCTGCACCGTGCAGGCTGCTGGCGGACGCTAGCACCTTCCAG
 AGGTGGCAAGCACCTAAAACACAATATGAGACCTCGCTCAAGTGGGAGCACTACCAATGAAGCCACG
 TGGAGAGGCAGGTGCCATCTCCACCGGGGCGGGCTTCTGGGTGAGGAGTGGCGACCCACTGCC
 CGAACACCAGAGCTTGTACACCTGGACGACTCTCCAGCTTCTGCCTGGCTGGCCGCTTTTCCCCTGGCA
 CGGCAGGCCGAGGTGTACCGGAGAAGAAGTGTGAGAGTATTTGTTGTGGCCGAGGCCACAACACACA
 GAGTCGTGTTGACAAGGCCCTGCCAATGCCAGGTCCGCTGGTGTGCTACGTGGAGTGCAGGCAGTGT
 ATACAGAGAGAGGAGGTCTATACCTGCAAGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: BC066165



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Insert Size:	1086 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:	<u>BC066165</u> , <u>AAH66165</u>
RefSeq Size:	3306 bp
RefSeq ORF:	1085 bp
Locus ID:	216795
Cytogenetics:	11 B1.3
Gene Summary:	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). Required for normal timing of IHH expression during embryonic bone development, normal chondrocyte maturation and for normal bone mineralization during embryonic bone development (PubMed:16818445). Plays a redundant role in maintaining joint integrity (PubMed:16818445). [UniProtKB/Swiss-Prot Function]