

Product datasheet for **MC205633**

Wnt1 (NM_021279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt1 (NM_021279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt1
Synonyms:	Int-1; sw; swaying; Wnt-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC005449
 GCCACAGCTTCGCTCGCCACTCATTGTCTGTGGCCCTGACCAGTGCGCCCTGGTGCTTTTAGTGCCGCC
 GGGCCCGGAGGGGAGCCCTTTCTACTGCAGTCAGCGCCGAACTATAAGAGGGCGGTGCCTCCCGCAGT
 GGCTGCTTCAGCCAGCAGCCAGGACAGCGAACCATGCTGCCTGCGGCCCGCCTCCAGACTTATTAGAGC
 CAGCCTGGGAACTCGCATCACTGCCCTCACCGCTGTGTCCAGTCCCACCGTCGCGGACAGCAACCACAGT
 CGTCAGAACCCAGCACAGAACCAGCAAGGCCAGGCAGGCCATGGGGCTCTGGGCGCTGCTGCCAGCTG
 GGTTTCTACTACGTTGCTACTGGCACTGACCGCTCTGCCCGAGCCCTAGCTGCCAACAGTAGTGCCGA
 TGGTGGGGCATCGTGAACATAGCCTCCTCCACGAACCTGTTGACGGATTCCAAGAGCCTGCAGCTGGTGC
 TCGAGCCAGTCTGCAGCTGCTGAGCCGAAGCAGCGGCGACTGATCCGACAGAACC CGGGATCCTGCA
 CAGCGTAGTGGAGGGCTCCAGAGCGCCGTGCGAGAGTGCAATGGCAATTCCGAAACC CGCGTGGAAC
 TGCCCCACTGCTCCGGGGCCCCACTCTTCGGCAAGATCGTCAACCGAGGCTGCCGAGAAACAGCGTTCA
 TCTTCGAATCACCTCCGCCGGGTACACATTCCGTGGCGCGCTCCTGCTCCGAAGGCTCCATCGAGTC
 CTGCACCTGCGACTACCGCGCGCGGCCCTGGGGCCCCGACTGGCACTGGGGGGCTGCAGTGACAAC
 ATCGATTTTGGTCGCTCTTTGGCCGAGAGTTCGTGGACTCCGGGAGAGGGGGCGGACCTACGCTTCC
 TCATGAACCTTACAACAACGAGGCAGGGCGAACGACCGTGTCTCTGAGATGCGCCAAGAGTGCAATG
 CCACGGGATGTCCGGCTCCTGCACGGTGCACAGTGTGGATGCGGCTGCCACGCTGCGCGCTGTGGGC
 GACGTGCTGCGCGACCGCTTCGACGGTGCCTCCCGCGTCTTTACGGCAACAGAGGCAGCAACC CGCGCT
 CGCGGGCGGAGCTGCTGCGCCTGGAGCCGAAGACCCCGCGCACAAAGCTCCCTCCCTCACGACCTCGT
 CTACTTCGAGAAATCGCCCAACTTCTGCACGTACAGTGGCCGCTGGGCACAGCTGGCACAGCTGGACGA
 GCTTGCAACAGCTCGTCTCCCGCGCTGGACGGCTGTGAGCTGTGTGCTGTGGCCGAGGCCACCGCACGC
 GCACGCAGCGCTCACGGAGCGTGCAACTGCACCTTCCACTGGTGTGCCACGTGAGTGGCCAACTG
 CACGCACACGCGGTTCTGCACGAGTGTCTATGAGGTGCCGCGCTCCGGGAACGGGAACGCTCTCTTCC
 AGTTCTCAGACACTCACTGGTCTGATGTTTGGCCACCTACCGCGTCCAGCCACAGTCCAGGGGTTT
 ATAGCGATCCATCTCTCCACCTCCTACCTGGGGACTCCTGAAACCACTTGCTGAGTCGGCTCGAACCC
 TTTTGCCATCCTGAGGGCCCTGACCCAGCTACCTCCCTCCCTCTTTGAGGGAGACTCCTTTTGACTGC
 CCCCCAATTTGGCCAGAGGGTGAGAGAAAGATTCTTCTTGGGGTGGGGTGGGGAGGTCAACTCTTGA
 AGGTGTTGCGGTTCTGATGATTTTGCCTGTGACCTCTTTGGGTATTATCACCTTTCTTGTCTCTCA
 GGTCCCTATAGGTCCTTGAGTTCTTAACCAGCACCTCTGGGCTTCAAGGCCTTTCCCTCCCACCTGT
 AGCTGAAGAGTTCCGAGTTGAAAGGGCACGAAAGCTAAGTGGGAAAGGAGGTTGCTGGACCCAGCAGC
 AAAACCTACATTCTCTTGTCTCTGCCTCGGAGCCATTGAACAGCTGTGAACCATGCTCCCTCAGCCT
 CCTCCCACCCCTCCTGTCTGCTCCTCATCACTGTGTAATAATTTGCACCGAAATGTGGCCGAGAG
 CCACGCGTTCCGGTTATGTAATAAAACTATTTATTGTGCTGGGTTCCAGCCTGGGTTGCAGAGACCC
 TACCCCACTCACTGCTCCTCTGTTCTGCTTGCCAGTCCTTTGTTATCCGACCTTTTTCTCTTTTAC
 CCAGCTTCTCATAGGCGCCCTTGCCACCGGATCAGTATTTCTTCCACTGTAGCTATTAGTGGCTCCTC
 GCCCCACCAATGTAGTATCTTCTCTGAGGAATAAATATCTATTTTTAAAAAAAAAAAAAAAAAAAAAA
 AA AAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021279

Insert Size: 1113 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:

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: [BC005449](#), [AAH05449](#)

RefSeq Size: 2463 bp

RefSeq ORF: 1113 bp

Locus ID: 22408

UniProt ID: [P04426](#)

Cytogenetics: 15 54.65 cM

Gene Summary: Ligand for members of the frizzled family of seven transmembrane receptors. Acts in the canonical Wnt signaling pathway by promoting beta-catenin-dependent transcriptional activation (By similarity). In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling (PubMed:15454084, PubMed:16116452). Plays an essential role in the development of the embryonic brain and central nervous system (CNS) (PubMed:2202907, PubMed:16116452). Has a role in osteoblast function, bone development and bone homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]