

Product datasheet for **MC201512**

Wnt10a (NM_009518) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt10a (NM_009518) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt10a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC014737 sequence for NM_009518
GGCGGGCGCGTCTGCTGCGGGAGCTGTGACCTGAGTAGGAGCTGTGTGTCGCAGCCGCCACCCCTGC
CGATCATGCGCCGGGACCCCTGGTTTCGCCAGTCCCCTGGGCTGTGAGCCCCCACTCCTGGCCTGTAC
GGCCCCGCGCCATGGGAGCGCCACCCTCGCCCTGGCTGCGGCTCCCAAGGGCCCCAGCCGCGGC
CTGAGTTCTGGGCGCTCCTGTTCTTCTACTGCTGCTGGCTGCCGCTGTGCCAGTCCAGACCAACGA
CATCCTGGGCTCCGCTACCCAGAGCCCGTCAACGCCAACACAGTGTGCTGACATTGCCGGCATCC
CTGAGCCGGGCGAGATGGAGGTGTGTGCGTACCCCTGACCTGCGCCGCTCCTGCTATCCAGGGCATCC
AGATCGCCATCCATGAGTGCCAGCATCAGTTCGGGACCAGCGCTGGAAGTCTCCAGCCTGGAGACTCG
GAACAAAGTCCCCACGAGAGCCCCATCTTCAGCCGAGGTTTTCGAGAGAGTGTTTTCGCCTACGCCATA
GCAGCTGCCGGGGTGGTGCACGCAGTGTCCAACCGTGCCTCTGGGTAACTGAAGGCTTGCGGTTCG
ACGCTCCAGACGTGGGGACGAAGAAGCTTTCGTCGGAAGTGCACCGCTTGCAGCTGGACGCGTGA
GCGCGAAAGGGCTTGGCCACGGGTCCTGAACACCCGGCCATACTTCTGCCAGCCAGGTCTGCAG
GACTCCTGGGAGTGGGTGGTGCAGTCCGGATGTGGCTTCGGAGAACGCTTCTAAGGACTTCTGG
ACTCCCGAGAGCCTCACAGAGACATCCATGCTCGAATGAGACTCCACAACAACCGTGTGGCCGGCAGGC
GGTGATGGAGAATGCGGCGTAAGTGCAAATGCCACGGCACCTCAGGCAGCTGCCAGCTCAAGACTGC
TGGCAGGTGACGCTGAGTTCGCGACAGTAGGGGCGCTGCTGCGCAACCGCTTCCACCGCCACGCTCA
TCCGGCCGACAACCGCAACGGTGGCCAGCTGGAGCCCGCCCGGGGAGCACCCCTCGCCAGCACCCGG
CACTCCAGGGTGCGCCGAGGGCCAGCCACTCCGACCTGGTCTACTTTGAGAAATCTCCCGACTTCTGT
GAGCGGAGCCGCGCCTGGACTCGGCAGGCACTGTGGCCGCTGTGCAATAAGAGCAGCACGGTCCCG
ATGGCTGCGGCAGCATGTGCTGTGGCCGCGCCACAACATTCTGCGCCAGACGCGCAGCGAGCGTGC
CTGCCGTTTCCACTGGTGTGCTTCGTGGTCTGCGAAGAATGCCGCATCACCGAGTGGGTGAGCGTGC
AAGTGAGCAGACCAAGTCTCTGGGTCTCAAGAATGGTGTCTCTTGGTGCCTGGCTTCTGCCGCTA
CGGATCTGAGCCAGGCAGCAAGCAGCAGCCTTGGCTCCTGAGAGAGGTGGTTGGCTTTACAGCCCCGA
GGTCTACAATCACAGACAGTCCAGATCTGATTGACATTCTCCGCTCACCTCTGTAGGTTCCCTCTT
TCTGTTCTAGCTCAGACAGCTGGGGTGTAGTGGAGACTGTTCCACACCCTAGGACAGGTCCACAAAG
CAGCCAGCCTGGCATGCCTACCTCCTGTCTCTTCTTCCCTTCCCAGGAGTGATAGCAATGCACT
GAAGCTGATGGGACCGGGGAAGAAAATAAAAGGCAGAAATGGCCGTCATCGGGCTGAAGTGACTCTAA
GGGCTCCAGACCTCTGCTCCTGTCTTCACTTAACAGATATTTATTTTGGCTCTCTTTGAGACTCT
CTGGGGAAAAAGAAGCTCCGGAGTCTACAGGCTGATTAAGGGACATGGACAATAAACCAGTAAACACACA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009518

Insert Size: 1254 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: [BC014737](#), [AAH14737](#)

RefSeq Size: 1974 bp

RefSeq ORF: 1254 bp

Locus ID: 22409

UniProt ID: [P70701](#)

Cytogenetics: 1 C4

Gene Summary: Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway. Plays a role in normal ectoderm development. Required for normal tooth development. Required for normal postnatal development and maintenance of tongue papillae and sweat ducts. Required for normal proliferation of basal cells in tongue filiform papillae, plantar epithelium and sweat ducts. Required for normal expression of keratins in tongue papillae. Required for normal expression of KRT9 in foot plant epithelium. Required for normal hair follicle function. [UniProtKB/Swiss-Prot Function]