

Product datasheet for MC217766

Wnt7b (NM_001163633) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt7b (NM_001163633) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wnt7b
Synonyms: Wnt-7b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC217766 representing NM_001163633
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCATCGACGAGTGCCAGCACCAGTCCGATTCGGCCGCTGGAAGTCTCCGCCCTGGGCGAGAAGA
CCGTCTTCGGCAAGAACTCCGAGTAGGGAGTCGAGAGGCTGCCTTCACCTATGCCATCACGGCGCGGG
CGTGGCGCATGCTGTACCGCTGCCTGCAGCCAGGCAATCTGAGCAATTGTGGCTGTACCGGGAGAAG
CAAGGCTACTACAACCAGGCGGAAGGCTGGAAGTGGGGGGCTGCTCAGCGGACCTCCGCTACGGCATCG
ACTTTTCTCGTCGCTTTGTGGATGCCCGTGAGATCAAAAAGAACGCCAGGCGCCTCATGAACCTTCAAA
CAATGAGGCGGGCAGAAAGTTCTGGAGGACCGCATGAAGCTGGAATGTAAGTGTACGGTGTGTACGGC
TCCTGTACCACAAAACCTTGCTGGACCACGCTACCTAAGTTCCGCGAGGTGGCCACCTGCTCAAGGAGA
AGTACAACGCAGCGGTGCAGGTGGAGGTGGTGCAGCCAGCCGCTGCCAGCCACCTTCTGCGCAT
CAAGCAGCTACGCAGCTACCAGAAGCCTATGGAGACGGACCTGGTGTACATCGAGAAGTCGCCAACTAC
TGCGAGGAGGACGCGCCACGGCAGCGTGGGCACGCAGGCGCTGTGCAACCGCACCTCGCCGGGG
CCGACGGCTGTGACACCATGTGCTGCGCCGCGGCTACAACACGCACCCAGTACACCAAGGTGTGGCAGTG
TAACTGCAAATCCACTGGTGTGCTTCGTCGCAAGTGAACACGTGCAGCGAGCGCACCGAGGTCTTACC
TGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163633
Insert Size: 849 bp



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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>NM_001163633.1</u> , <u>NP_001157105.1</u>
RefSeq Size:	3426 bp
RefSeq ORF:	849 bp
Locus ID:	22422
UniProt ID:	<u>P28047</u>
Cytogenetics:	15 40.39 cM
Gene Summary:	Ligand for members of the frizzled family of seven transmembrane receptors that functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:15923619, PubMed:28803732). Required for normal fusion of the chorion and the allantois during placenta development (PubMed:11543617). Required for central nervous system (CNS) angiogenesis and blood-brain barrier regulation (PubMed:28803732).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains an alternate 5' terminal exon compared to variant 1, and initiates translation from an in-frame downstream AUG, resulting in a shorter isoform (3) compared to isoform 1.