

Product datasheet for **MC209652**

Wnt3a (NM_009522) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt3a (NM_009522) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wnt3a
Synonyms:	vt; Wnt-3a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209652 representing NM_009522 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCTCTCGGATACCTCTTAGTGCTCTGCAGCCTGAAGCAGGCTCTGGCAGCTACCCGATCTGGT
GGTCTTGGCTGTGGGACCCAGTACTCTCTGAGCACTCAGCCATTCTCTGTGCCAGCATCCAGG
CCTGGTACCGAAGCAGCTGCGCTTCTGCAGGAACACGTTGGAGATCATGCCAGCGTGGGTGAGGGTGC
AAAGCGGGCATCCAGGAGTGCCAGCACCAGTTCGAGGGCCGGCTTGAAGTGCACCACCGTCAGCAACA
GCCTGGCCATCTTTGGCCCTGTCTGGACAAAGCCACCCGGGAGTCAGCCTTTGTCCATGCCATCGCCTC
CGCTGGAGTAGCTTTCGAGTGACACGCTCCTGTGCAGAGGGATCAGCTGCTATCTGTGGGTGCAGCAGC
CGCCTCCAGGGCTCCCCAGGCGAGGGCTGGAAGTGGGGCGGCTGTAGTGAGGACATTGAATTTGGAGGAA
TGGTCTCTCGGGAGTTTGCCGATGCCAGGGAGAACCAGCCGGATGCCCGCTCTGCCATGAACCGTCACAA
CAATGAGGCTGGGCGCCAGGCCATCGCCAGTCACATGCACCTCAAGTGCAAAATGCCACGGGCTATCTGGC
AGCTGTGAAGTGAAGACCTGCTGGTGGTGCAGCCGACTTCCGACCATCGGGATTTCTCAAGGACA
AGTATGACAGTGCCTCGGAGATGGTGGTAGAGAAACACCGAGAGTCTCGTGGCTGGGTGGAGACCCTGAG
GCCACGTTACAGTACTTCAAGGTGCCAGACAGAACCGACCTGGTCTACTACGAGGCCTACCCAACTTC
TGCGAACCTAACCCGAAACCGGCTCCTCGGGACGCGTGACCCGACCTGCAATGTGAGCTCGCATGGCA
TAGATGGGTGCGACCTGTTGTGCTGCGGGCGCGGCATAACGCGCGCACTGAGCGACGGAGGAGAAATG
CCACTGTGTTTTCCATTGGTGTGCTACGTGAGCTGCCAGGAGTGCACACGTGTCTATGACGTGCACACC
TGCAAGTAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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ACCN:	NM_009522
Insert Size:	1059 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>NM_009522.2</u> , <u>NP_033548.1</u>
RefSeq Size:	2791 bp
RefSeq ORF:	1059 bp
Locus ID:	22416
UniProt ID:	<u>P27467</u>
Cytogenetics:	11 37.17 cM
Gene Summary:	<p>Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:26902720). Required for normal embryonic mesoderm development and formation of caudal somites (PubMed:8299937). Required for normal morphogenesis of the developing neural tube (PubMed:8299937). Mediates self-renewal of the stem cells at the bottom on intestinal crypts (in vitro) (PubMed:26902720). [UniProtKB/Swiss-Prot Function]</p>