

Product datasheet for **MG227165**

Wnt3a (NM_009522) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt3a (NM_009522) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Wnt3a
Synonyms: vt; Wnt-3a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227165 representing NM_009522
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCTCTCGGATACCTCTTAGTGCTCTGCAGCCTGAAGCAGGCTCTGGGCAGCTACCCGATCTGGT
GGTCTTGGCTGTGGACCCAGTACTCTCTGAGCACTCAGCCATTCTCTGTGCCAGCATCCCAGG
CCTGGTACCGAAGCAGCTGCGCTTCTGCAGGAACACGTGGAGATCATGCCAGCGTGGCTGAGGGTGC
AAAGCGGGCATCCAGGAGTGCCAGCACAGTTCGGAGGCCGGCTTGAAGTGCACCACCGTCAGCAACA
GCCTGGCCATCTTTGGCCCTGTTCTGGACAAAGCCACCCGGGAGTCAGCCTTTGTCCATGCCATCGCCTC
CGCTGGAGTAGCTTCGCAAGTGCACAGCTCCTGTGCAGAGGGATCAGCTGCTATCTGTGGGTGCAGCAGC
CGCTCCAGGGCTCCCCAGGCGAGGGCTGGAAGTGGGGCGGCTGTAGTGAGGACATTGAATTTGGAGGAA
TGGTCTCTCGGGAGTTTGCCGATGCCAGGGAGAACCAGCCGGATGCCCGCTCTGCCATGAACCGTCACAA
CAATGAGGCTGGGCGCCAGGCCATCGCCAGTGCACCTCAAGTGCAAATGCCACGGGCTATCTGGC
AGCTGTGAAGTGAAGACCTGCTGGTGGTGCAGCCGACTTCCGACCATCGGGATTTCTCAAGGACA
AGTATGACAGTGCCTCGGAGATGGTGGTAGAGAAAACCGAGAGTCTCGTGGCTGGTGGAGACCCTGAG
GCCACGTTACACGTACTCAAGGTGCCGACAGAACCGACCTGGTCTACTACGAGGCCTCACCAACTTC
TGCGAACCTAACCCGAAACCGCTCCTTCGGGACGCGTGACCCGACCTGCAATGTGAGCTCGCATGGCA
TAGATGGGTGCGACCTGTTGTGCTGCGGGCGCGGCATAACGCGCGCACTGAGCGACGGAGGAGAAATG
CCTACTGTGTTTTCCATTGGTGTGCTACGTGAGCTGCCAGGAGTGACACGTGTCTATGACGTGCACACC
TGCAAG

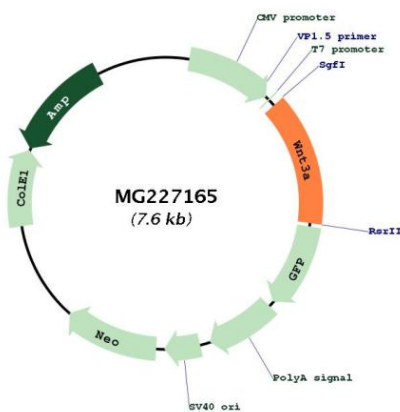
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_009522.2 , NP_033548.1
RefSeq Size:	2791 bp
RefSeq ORF:	1059 bp
Locus ID:	22416
UniProt ID:	P27467
Cytogenetics:	11 37.17 cM
Gene Summary:	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]

Product images:



Circular map for MG227165