

Product datasheet for **RG213949**

WNT2B (NM_024494) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT2B (NM_024494) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WNT2B
Synonyms:	WNT13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213949 representing NM_024494 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGACCGGGTGGTGCGGAGGAAGCTGCGCAGCTCCCGCTTCGGCGGCCAGCGCCCCGGTCCCTG
TGCCGTCGCCCCGGCCCCGACGGCTCCCGGGCTTCGGCCCCCTAGGTCTTGCTGCCTTCTGCTCCT
GCTGCTGCTGACGCTGCCGGCCCGGTAGACACGTCTGGTGGTACATTGGGGCACTGGGGCAGGAGT
ATCTGTGACAATATCCCTGGTTTGGTGAGCCGGCAGCGGCAGCTGTGCCAGCGTTACCCAGACATCATGC
GTTTCAGTGGGCGAGGGTGCCCGAGAATGGATCCGAGAGTGTGAGCACAATTCCGCCACCACCGCTGGAA
CTGTACCACCCTGGACCGGGACCACACCGTCTTTGGCCGTGTGCTCAGAAAGTAGCCGAGAGGACGCT
TTTGATATAGCCATCTCATCAGCAGGGGTAGTCCACGCTATTACTCGCGCCTGTAGCCAGGGTGAAGTGA
GTGTGTGACGCTGTGACCCCTACACCCGTGGCCGACACCATGACCAGCGTGGGGACTTTGACTGGGGTGG
CTGCAGTGACAACATCCACTACGGTGTCCGTTTGGCAAGGCCTTCGTGGATGCCAAGGAGAAGAGGCTT
AAGGATGCCCGGGCCCTCATGAACCTACATAATAACCGCTGTGGTGCACGGCTGTGCGCGGTTTCTGA
AGCTGGAGTGAAGTGCCATGGCGTGAGTGGTTCCTGTACTCTGCGCACCTGTGGCGTGCACCTCTCAGA
TTTCCGCCGACAGGTGATTACCTGCGGCGACGCTATGATGGGGCTGTGCAGGTGATGCCACCCAAGAT
GGTGCCAACCTCACCGCAGCCCCCAAGGCTATCGCCGTGCCACCCGACTGATCTGTACTTTGACA
ACTTCCAGATTACTGTGCTTTGGACAAGGCTGCAGTTCCCTAGGCACTGCAGGCGGTGTCTGCAGCAA
GACATCAAAGGAACAGACGGTTGTGAAATCATGTGCTGTGGCCGAGGGTACGACACAACCTCGAGTCACC
CGTGTACCCAGTGTGAGTGCAAATCCACTGGTGTGCTGTGCTGTACGGTGAAGGAATGCAGAAATACTG
TGGACGTCATACTTGCAAAGCCCCCAAGAAGGCAGAGTGGTGGACCAGACC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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ORF Size:	1173 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_024494.1 , NP_078613.1
RefSeq Size:	1970 bp
RefSeq ORF:	1176 bp
Locus ID:	7482
UniProt ID:	Q93097
Cytogenetics:	1p13.2
Protein Families:	Secreted Protein
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
Gene Summary:	This gene encodes a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. This gene may play a role in human development as well as carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]