

## Product datasheet for **RG237289**

### WNT2B (NM\_001291880) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT2B (NM_001291880) 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:	>RG237289 representing NM_001291880. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGTTCAGTGGGCGAGGGTGCCCGAGAATGGATCCGAGAGTGT CAGCACCAATTCGCCACCACCGC
TGGAACTGTACCACCCTGGACCGGGACCACACCGTCTTTGGCCGTGCATGCTCAGAAGTAGCCGAGAG
GCAGCTTTTGTATATGCCATCTCATCAGCAGGGGTAGTCCACGCTATTACTCGCGCTGTAGCCAGGGT
GAACTGAGTGTGTGCAGCTGTGACCCCTACACCGTGGCCGACACCATGACCAGCGTGGGACTTTGAC
TGGGGTGGCTGCAGTGACAACATCCACTACGGTGTCCGTTTTGCCAAGGCCTTCGTGGATGCCAAGGAG
AAGAGGCTTAAGGATGCCCGGGCCCTCATGAACCTACATAATAACCGCTGTGGTGCACGGCTGTGCCG
CGGTTTCTGAAGCTGGAGTGTAAGTGCCATGGCGTGAGTGGTTCCTGTACTCTGCCGACCTGCTGGCGT
GCACTCTCAGATTTCCGCCGCACAGGTGATTACCTGCGGCGACGCTATGATGGGGCTGTGCAGGTGATG
GCCACCCAAGATGGTGCCAATTCACCGCAGCCCGCAAGGCTATCGCCGTGCCACCCGGACTGATCTT
GTCTACTTTGACAACTCTCCAGATTACTGTGTCTTGGACAAGGCTGCAGGTTCCCTAGGCACTGCAGGC
CGTGTCTGCAGCAAGACATCAAAGGAACAGACGGTTGTGAAATCATGTGCTGTGGCCGAGGGTACGAC
ACAACTCGAGTCACCCGTGTTACCCAGTGTGAGTGCAAATTCCTGCTGTGCTGTACGGTGAAG
GAATGCAGAAACTGTGGACGTCCATACTTGCAAAGCCCCCAAGAAGGCAGAGTGGCTGGACCAAAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237289  
 Blue=ORF Red=Cloning site Green=Tag(s)

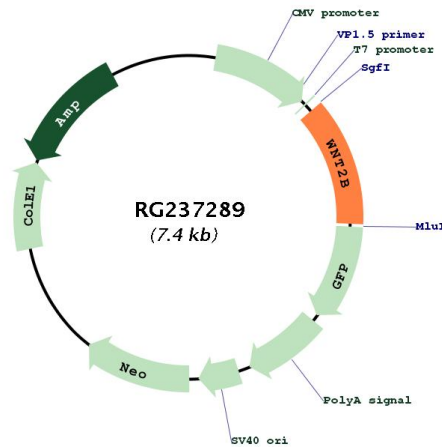
MRSVGGEGAREWIRECQHQRHHRWNCTTLDRDHTVFGVMLRSSREAAFVYAISSAGVVHAITRACSQG  
 ELSVCSDPYTRGRHHDQRGDFDWGGCSDNIHYGVRFKAFVDAKEKRLKDARALMNLHNNRCGRTAVR  
 RFLKLECKCHGVSGSCTLRWCWRALSDFRRTGDYLRRLRRYDGAQVQMATQDGFANFTAAQGYRRATRTDL  
 VYFDNSPDYCVLDKAAGSLGTAGRVCSKTSKGTGCEIMCCGRGYDTRVTRVTQCEKFWCCAVRCK  
 ECRNTVDVHTCKAPKKAEWLDQT  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001291880

<b>ORF Size:</b>	897 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001291880.1</a> , <a href="#">NP_001278809.1</a>
<b>RefSeq Size:</b>	2854 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	7482
<b>UniProt ID:</b>	<a href="#">Q93097</a>
<b>Cytogenetics:</b>	1p13.2
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>MW:</b>	34.4 kDa
<b>Gene Summary:</b>	This gene encodes a member of the wiggless-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]