

Product datasheet for **RG216086**

WNT2B (NM_004185) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT2B (NM_004185) 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:	>RG216086 representing NM_004185 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGATGGCCTTGGAGTGGTAGCCATAAGCATTTTTGGAATCAACTAAAACTGAAGGATCCTTGA
GGACGGCAGTACCTGGCATACCTACACAGTCAGCGTTCAACAAGTGTGGCAAAGGTACATTGGGGCACT
GGGGGCACGAGTGATCTGTGACAATACCTCGTTTGGTGGAGCCGGCAGCGCAGCTGTGCCAGCGTTAC
CCAGACATCATGCGTTCAGTGGCGAGGGTGCCCGAGAATGGATCCGAGAGTGTCAGCACCAATTCGCC
ACCACCGCTGGAAGTGTACCACCCTGGACCGGGACCACACCGTCTTTGGCCGTGTCATGCTCAGAAGTAG
CCGAGAGGCAGCTTTTGTATATGCCATCTCATCAGCAGGGGTAGTCCACGCTATTACTCGCGCCTGTAGC
CAGGGTGAAGTGTGTGTCAGCTGTGACCCCTACACCCGTGGCCGACACCATGACCAGCGTGGGGACT
TTGACTGGGGTGGCTGCAGTGACAACATCCACTACGGTGTCCGTTTTGCCAAGGCCTTCGTGGATGCCAA
GGAGAAGAGGCTTAAGGATGCCCGGCCCTCATGAACTACATAAATAACCGCTGTGGTCGCACGGCTGTG
CGGCGTTTTCTGAAGCTGGAGTGAAGTGCCATGGCGTGAGTGGTTCTGTACTCTGCGCACCTGCTGGC
GTGCACCTCAGATTTCCGCCGACAGGTGATTACCTGCGGCGACGCTATGATGGGGCTGTGCAGGTGAT
GGCCACCAAGATGGTGCCAATTCACCGCAGCCCGCAAGGCTATCGCCGTGCCACCCGGACTGATCTT
GTCTACTTTGACAACTCCAGATTACTGTGTCTTGGACAAGGCTGCAGGTTCCCTAGGCACTGCAGGCC
GTGTCTGCAGCAAGACATCAAAAGGAACAGACGGTTGTGAAATCATGTGCTGTGGCCGAGGGTACGACAC
AACTCGAGTCACCCGTGTTACCCAGTGTGAGTGCAAATCCACTGGTGTGCTGTACGGTCAAGGAA
TGCAGAAATACTGTGGACGTCCATACTTCAAAGCCCAAGAAGGCAGAGTGGCTGGACCAGACC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216086 representing NM_004185
Red=Cloning site Green=Tags(s)

MLDGLGVVAISIFGIQLKTEGSLRTAVPGIPTQSAFNKCLQRYIGALGARVICDNIPGLVSRQRLCQRY
 PDIMRSVGEAREWIRECQHQRHHRWNCTTLDRDHTVFGRVMLRSSREAAFVYAISSAGVVHAI TRACS
 QGELSVCSDDPYTRGRHHDQRGDFDWGGCSDNIHYGVRF AKAFVDAKEKRLKDARALMNLHNNRCGR TAV
 RRFLKLECKCHGVSGSCTLRTCWAL SDFRRTGDYLR RRYD GAVQVMATQDGANF TAARQGYRRATRTL
 VYFDNSPDYCVLDKAAGSLGTAGRVCSKTSKGT DGCEIMCCGRGYDTRVTRVTQCECKFWCCAVRCKE
 CRNTVDVHTCKAPKKAEWLDQT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004185

ORF Size: 1116 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004185.2](#), [NP_004176.2](#)

RefSeq Size: 2014 bp

RefSeq ORF: 1119 bp

Locus ID: 7482

UniProt ID: [Q93097](#)

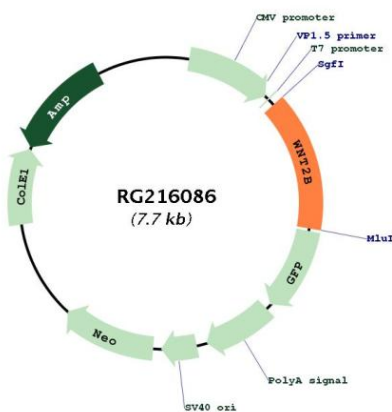
Cytogenetics: 1p13.2

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]

Product images:



Circular map for RG216086