

## Product datasheet for **RG202575**

### WNT6 (NM\_006522) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: WNT6 (NM\_006522) Human Tagged ORF Clone  
Tag: TurboGFP  
Symbol: WNT6  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-AC-GFP (PS100010)  
E. coli Selection: Ampicillin (100 ug/mL)  
ORF Nucleotide Sequence: >RG202575 representing NM\_006522  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCGCCCTTACCCTCCCGCCTCGGGCTGCTGCTGCTGCTGCTCCTGTGCCCGGCCACGTCCGGC  
GACTGTGGTGGGCTGTGGGCAGCCCTTGGTTATGGACCTACCAGCATCTGCAGAAAGGCACGGCGGCT  
GGCCGGGCGGCAGGCCGAGTTGTGCCAGGCTGAGCCGGAAGTGGTGGCAGAGCTAGCTCGGGGCGCCCGG  
CTCGGGGTGCGAGAGTGCCAGTTCAGTTCGGCTTCCGCCGCTGGAATTGCTCCAGCCACAGCAAGGCCT  
TTGGACGCATCCTGCAACAGGACATTCGGGAGACGGCCTTCGTGTTCCGCATCACTGCGGCCGGCGCCAG  
CCACGCCGTACGCAGGCCTGTTCTATGGGCGAGCTGCTGCAGTGCAGGCTGCCAGGCGCCCGCGGGCGG  
GCCCTCCCGGCCCTCCGGCCTGCCCGCACCCCGGACCCCTGGCCCGCGGGCTCCCGGAAGGCA  
GCGCCGCTGGGAGTGGGAGGCTGCGGCGACGACGTGGACTTCGGGACGAGAAGTCGAGGCTCTTTAT  
GGACGCACGGCACAAGCGGGGACCGGAGACATCCGCGGTTGGTGAACGACAAACAGAGGCGGGC  
AGGCTGGCGTGCGGAGCCACACGCGCACCGAGTGCAATGCCACGGGCTGTCGGGATCATGCGCGCTGC  
GCACCTGCTGGCAGAAGCTGCCTCCATTCGCGAGGTGGGCGCGGGCTGCTGGAGCGCTCCACGGCGC  
CTCACGCGTCATGGGCACCAACGACGGCAAGGCCCTGTCGCCCGCTCCGCACGCTCAAGCCGCCGGC  
CGAGCGGACCTCCTCTACGCCCGGATTGCCCGACTTCTGCGCCCCAACCGACGACCGGCTCCCGCG  
GCACGCGCGGTGCGCCTGCAATAGCAGCGCCCGGACCTCAGCGGCTGCGACCTGCTGTGCTGCGGCCG  
CGGGCACCGCCAGGAGAGCGTGCAGCTCGAAGAGAAGTGCCTGTGCCGCTTCCACTGGTGTGCGTAGTA  
CAGTGCCACCGCTGCCGTGTGCGCAAGGAGCTCAGCCTCTGCCTG

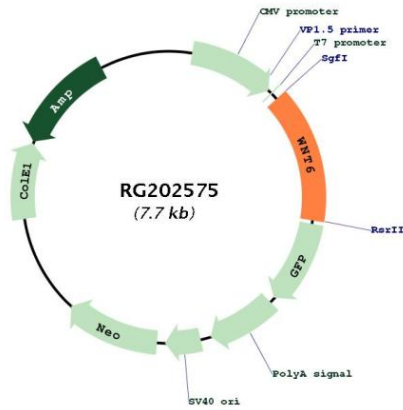
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA





<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006522.1</a>
<b>RefSeq Size:</b>	1700 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	7475
<b>UniProt ID:</b>	<a href="#">Q9Y6F9</a>
<b>Cytogenetics:</b>	2q35
<b>Domains:</b>	wnt
<b>Protein Families:</b>	Adult stem cells, Cancer stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>Gene Summary:</b>	<p>The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is overexpressed in cervical cancer cell line and strongly coexpressed with another family member, WNT10A, in colorectal cancer cell line. The gene overexpression may play key roles in carcinogenesis. This gene and the WNT10A gene are clustered in the chromosome 2q35 region. The protein encoded by this gene is 97% identical to the mouse Wnt6 protein at the amino acid level. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG202575