

## Product datasheet for **RG237778**

### WNT8A (NM\_001300939) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT8A (NM_001300939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WNT8A
Synonyms:	WNT8D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237778 representing NM_001300939. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGTGCTGCATTCAGTGCCTCTGCCTGGTAAGTCCTTTCCCAACCCTCACTCCTTGCCAAGGAGGC
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GAGGAGTGCAAGTCCAGTTTGCTTGGGAACGCTGGAAGTCCCTGAAAATGCTCTTCAGCTCTCCACC
CACAACAGGCTGAGAAGTGTACCAGAGAGACTTCCTTCATACATGCTATCAGCTCTGCTGGAGTCATG
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AAAACAGGTCATAAGCAGCTGTAAGTCAAAATTCAGTGGTGTGTACGGTCAAGTGTGACCAGTGT
AGGCATGTGGTGAAGCAAGTATTACTGCGCACGCTCCCCAGGCAGTCCCCAGTCCCTGGGTAAAGGCAGT
GCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237778  
 Blue=ORF Red=Cloning site Green=Tag(s)

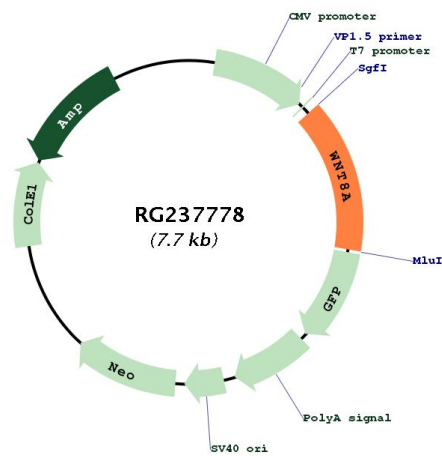
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 EECKFQFAWERWNCPENALQLSTHNRLRSATRETSFIHAISSAGVYMIITKNCMGMDFENCGDGSNNG  
 KTGGHGIWGGSDNVEFGERISKLFVDSLEKGDARALMNLHNNRAGRLAVRATMKRTCKCHGISGSC  
 SIQTCWLQLAEFREMGDYLKAKYDQALKIEMDKRQLRAGNSAEGHWVPAEAFLPsAEAEIFLEESPDY  
 CTCNSSLGIYGTGRECLQNSHNTSRWERRSCGRLECTEGLQVEERKTEVIVSSCNCKFQWCCTVKCDQC  
 RHVYSKYCARSPGSAQSLGKGSAA  
**TRTRPLEMESDESLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPsGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEd  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDShMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001300939
<b>ORF Size:</b>	1107 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_001300939.2</a>
<b>RefSeq Size:</b>	1814 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	7478
<b>UniProt ID:</b>	<a href="#">Q9H1J5</a>
<b>Cytogenetics:</b>	5q31.2
<b>Protein Families:</b>	Cancer stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>MW:</b>	41.3 kDa
<b>Gene Summary:</b>	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, and may be implicated in development of early embryos as well as germ cell tumors. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2014]