

Product datasheet for **RC237778**

WNT8A (NM_001300939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT8A (NM_001300939) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WNT8A
Synonyms:	WNT8D
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237778 representing NM_001300939 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGTGCTGCATTAGTGCCTCTGCCTGGTAAGTCCTTTCCCAACCCTCACTCCTTGCCAAGGAGGCC
CCCATTGTCTCATCCCCATTACCTCTGCCTCACTTTTTCTCTTTTTGGTAGGTCAGTGAACAATTTCT
GATAACAGGTCCAAGGCTATCTGACCTACACGACTAGTGTGGCCTTGGGTGCCAGAGTGGCATCGAG
GAGTGCAAGTTCCAGTTTCTTGGGAACGCTGGAAGTGCCTGAAAATGCTCTTCAGCTCTCCACCACA
ACAGGCTGAGAAGTGCTACCAGAGAGACTTCTTCATACATGCTATCAGCTCTGCTGGAGTCATGTACAT
CATCACCAGAAGTGTAGCATGGGTGACTTCGAAAAGTGGCTGTGATGGGTCAAACAATGGAAAAACA
GGAGGCCATGGCTGGATCTGGGGAGGCTGCAGCGACAATGTGGAATTTGGGAAAGGATCTCCAACTCT
TTGTGGACAGTTTGGAGAAGGGGAAGGATGCCAGAGCCCTGATGAATCTTCAACAACAGGGCCGGCAG
ACTGGCAGTGAGAGCCACCATGAAAAGGACATGCAAAATGTCATGGCATCTCTGGGAGCTGCAGCATA
ACATGCTGGTGCAGCTGGCTGAATTCGGGAGATGGGAGACTACCTAAAGGCCAAGTATGACCAGGCGC
TGAAAATTGAAATGGATAAGCGGCAGCTGAGAGCTGGGAACAGCGCCGAGGGCCACTGGGTGCCCGCTGA
GGCTTCTTCTAGCGCAGAGGCGGAAGTCTTTTTAGAGGAATCACCAGATTACTGTACCTGCAAT
TCCAGCCTGGGCATCTATGGCACAGAGGTCTGTGAGTGCCTACAGAACAGCCACAACACATCCAGGTGGG
AGCGACGTAGCTGTGGCGCCTGTGCACTGAGTGTGGGTGCAGGTGGAAGAGAGGAAAAGTGGAGT
AAGCAGCTGTAAGTCAAATTCAGTGGTGTGACGGTCAAGTGTGACCAGTGTAGGCATGTGGTGGAGC
AAGTATTACTGCGCACGCTCCCCAGGCAGTGGCCAGTCCCTGGGTAAAGGCAGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237778 representing NM_001300939
 Red=Cloning site Green=Tags(s)

MLCCIQLCLVSPFPTLTPCQGGPHCLIPiHLCLTFSLFGRSVNNFLITGPKAYLTYTTSVALGAQSGIE
 ECKFQFAWERWNCPENALQLSTHNRLRSATRETSFIHAISSAGVMYIITKNCSMGDFENCDCGSNNGKT
 GGHGWIWGGCSDNVEFGERISKLFVDSLEKGDARALMNLHNNRAGRLAVRATMKRRTCKCHGISGSCSIQ
 TCWLQLAEFREMGDYLLKAKYDQALKIEMDKRQLRAGNSAEGHWVPAEFLPSAEAEILIFLEESPDYCTCN
 SSLGIYGTGRECLQNSHTSRWERRSCGRLCTECLQVEERKTEVISSCNCKFQWCCTVKCDQCRHVVS
 KYCARSPGSAQSLGKGSAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

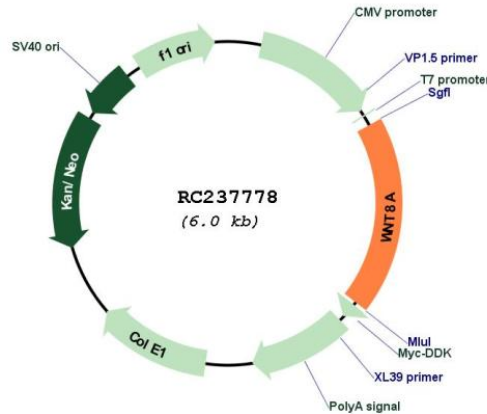
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001300939

ORF Size:	1107 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_001300939.2
RefSeq Size:	1814 bp
RefSeq ORF:	1110 bp
Locus ID:	7478
UniProt ID:	Q9H1J5
Cytogenetics:	5q31.2
Protein Families:	Cancer stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
MW:	41.3 kDa
Gene Summary:	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]