

Product datasheet for **RR210643**

Wnt1 (NM_001105714) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt1 (NM_001105714) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wnt1
Synonyms: Int1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210643 representing NM_001105714
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTCTGGGCGCTGCTGCCAGCTGGGTTTCTGCTACGTTGCTACTGGCACTGACCGCTCTGCCCC
 CAGCCCTGGGCGCAACAGTAGTGGCCGATGGTGGGCATCGTGAACATAGCCTCCTCCAGAACCTGCT
 GACAGATTCCAAGAGTCTACAGCTGGTGTAGAGCCCAGCCTGCAGCTACTGAGCCGCAAGCAGCGACGA
 CTGATCCGACAGAACCCTGGGATCCTGCACAGCGTGAGCGGAGGGCTGCAGAGCGCCGTTTCGAGAGTGCA
 AGTGGCAATCCGAAACCGCCGCTGGAACCTGCCCACTGCTCCCGGGCCCCACCTCTTCGCAAGATCGT
 CAACCGAGGCTGCCGAGAAACAGCGTTTATCTTCGCAATCACCTCCGCGGGGTACACATTCTGTGGCG
 CGCTCCTGCTCCGAAGGCTCCATCGAATCCTGCACCTGCGACTACAGGCGGCGGGTCTGGGGGCCCCG
 ACTGGCACTGGGGGGTTCAGCGACAACATCGATTCGGTCGCCTCTTCGGCCGAGAGTTTCGTGGACTC
 TGGGGAGAAGGGGCGGACCTACGCTTCCTCATGAACCTTCAATAACGAGGCAGGGCGCACGACCGTG
 TTCTCTGAGATGCGCCAAGAGTGAAATGCCACGGGATGTCGGTTCCTGCACCGTGCGCACGTGTTGGA
 TCGCGCTGCCACACTGCGCGCTGTGGGCGACTGCTGCGGACCGCTTCGACGGCGCTCCCGCGTCTCT
 TTACGGCAACCGAGGCAACAACCGCGCTTCGCGGGCGGAGCTGCTGCGCCTGGAGCCCGAAGACCTGCG
 CACAAGCCGCCCTCCCCTCACGACCTGGTCTACTTCGAGAAATCGCCAACTTCTGCACGTACAGTGGAC
 GCCTGGGCACAGCTGGCACAGCTGGGCGAGCTTCAACAGCTCATCTCCAGCGCTGGACGGCTGCGAGCT
 GCTGTGCTGTGGCCGAGGCCATCGCACGCGCACGACGCGCTCACCGAGCGCTGCAACTGCACCTCCAC
 TGGTGCTGCCACGTCAGCTGCCCAACTGCACGCACACGCGCTACTGCACGAGTGTCTA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210643 representing NM_001105714
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MGLWALLPSWVSATLLLALTALPAALGANSSGRWWGIVNIASSTNLLTDSKSLQLVLEPSLQLLSRKQRR
 LIRQNPGLHSVSGGLQSAVRECKWQFRNRRWNCPTAPGPHLFGKIVNRGCRETAFIFAITSAGVTHSVA
 RSCSEGSIESCTCDYRRRGPGGPDWHWGCSNDIDFGRFLGREFVDSGEKGRDLRFLMNLHNNEAGRRTTV
 FSEMRQECKCHGMSGSCTVRTCWMRLPTLRAVGDVLRDRFDGASRVLYGNRGNRRASRAELLRLPEPDA
 HKPPSPHDLVYFEKSPNFCTYSGRLGTAGTAGRACNSSSPALDGCELLCCGRGHRTRTQRVTERCNCTFH
 WCCHVSCRNCTHTRVLHECL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

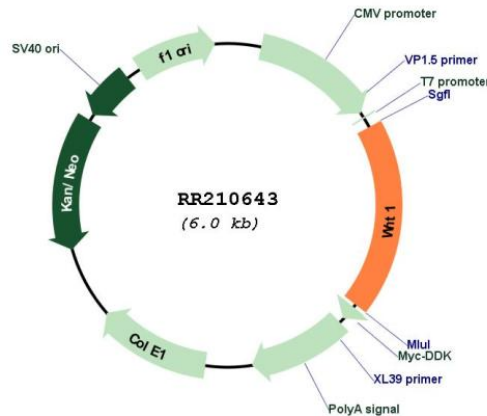
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105714

ORF Size:	1110 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_001105714.1 , NP_001099184.1
RefSeq Size:	2360 bp
RefSeq ORF:	1113 bp
Locus ID:	24881
Cytogenetics:	7q36
MW:	41.1 kDa
Gene Summary:	mouse homolog promotes development of midbrain dopaminergic (DA) neurons [RGD, Feb 2006]