

Product datasheet for RR202721

Wnt4 (NM_053402) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt4 (NM_053402) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wnt4
Synonyms:	MGC112773
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202721 representing NM_053402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCCCGTTTCGTGCCTGCGGTGCTGCGACTCCTCGTCTTCGCCGTGTTCTCGGCCCGCGGAGCA
ACTGGCTGTACCTGGCCAAGCTGTCATCGGTGGGCAGCATCTCCAAGAGGAAACGTGCGAGAAGCTCAA
AGGCTGATCCAGAGGCAGGTGCAGATGTGCAAACGGAACCTCGAGGTGATGGACTCAGTCCGATGCG
GCCAGCTGGCCATTGAGGAGTGCCAATACCAGTTCGGAACCGGCGCTGGAACGTTCCACACTGGACT
CCCTGCCTGTCTTCGGGAAGGTGGTGACACAAGGACCCGGGAGGCGGCCTTTGTATACGCCATCTCTTC
AGCAGGTGTGGCCTTTCAGTGACAAGAGCATGCAGCAGTGGAGATCTGGAGAAGTGTGGCTGTGACCGG
ACAGTACACGGGGTCAGCCACAGGGTTTCCAGTGGTCAGGATGCTCGGACAACATCGCCTATGGCGTAG
CCTTCTCACAGTCCTTTGTAGACGTCCGAGAGAGAAGCAAGGGGGCCTCCTCCAGCCGGGCACTCATGAA
CCTTCAACAACGAGGCTGGCAGGAAGGCCATCTGACACACATGCGGGTGGAGTGAAGTGCATGGG
GTGTGAGGCTCCTGTGAGGTAAGACATGCTGGCAGCGGTACCGCCCTCCGTGAGTTGGCCACGCAC
TAAAGGAGAAGTTTGACGGCCACGGAGGTGGAGCCACGGCGGTAGGCTCCTCCCGGCACTGGTACC
GGAAACGCGCAGTTCAAGCCACATACGGATGAGGACCTGGTGTACCTGGAGCCAAGTCCAGACTTCTGT
GAGCAGGACATGCGCAGCGGCTGCTAGGCACGAGGGCCGCACTTGCAACAAGACGTCTAAGGCCATTG
ACGGCTGCGAGCTACTGTGCTGTGGCCGCGCTTCCACACAGCGCACGTGGAGCTGGCAGAGCGCTGCGG
CTGCAGTTCCACTGGTGTGCTTCGTCAAGTCCGCGCAGTGCCAGCGGCTCGTGGAGATGCACACGTGC
CGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202721 representing NM_053402
 Red=Cloning site Green=Tags(s)

MSPRSLRSLRLLVFAVFSAAASNWLYLAKLSSVGSISEEETCEKLGKLIQRQVQMCKRNLEVMDSVRHG
 AQLAIEECQYQFRNRRWNCSTLDSLPLVFGKVVTTQGTREAAFVYAISSAGVAFVTRACSSGDLEKCGCDR
 TVHGVSPQGFQWSGCSDNIAYGVAFSQSFVDVRRERSKGGASSRALMNLHNNEAGRKAILTHMRVECKCHG
 VSGSEVKTWCRAVPPFRQVGHALKEKFDGATEVEPRRVGSSRALVPRNAQFKPHTDEDLVYLEPSPDFC
 EQDMRSGVLGTRGRTCNKTSKAIDGCELLCCGRGFHTAHVELAERCGRFHWCCFVKCRQCQLVEMHTC
 R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

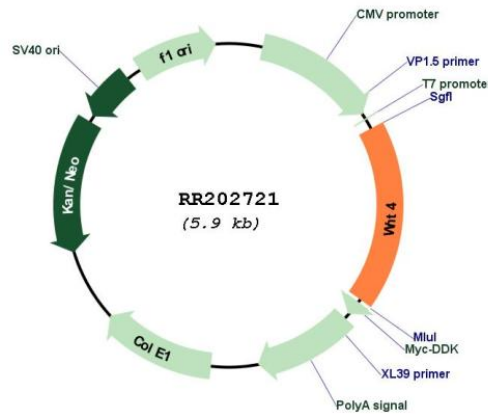
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053402

ORF Size:	1053 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_053402.2 , NP_445854.1
RefSeq Size:	1211 bp
RefSeq ORF:	1056 bp
Locus ID:	84426
UniProt ID:	Q9QXQ5
Cytogenetics:	5q36
MW:	39 kDa
Gene Summary:	increased renal mRNA and protein levels are detected in an experimental model of renal failure; may play a role in response to renal injury [RGD, Feb 2006]