

Product datasheet for **RR209956**

Wnt7b (NM_001009695) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt7b (NM_001009695) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wnt7b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209956 representing NM_001009695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCACAGAACTTTGAAAGTGGATCTTTACGTGTTTCTCTGCTTTGGCGTCCTCTACGTGAAGCTCG
GAGCATTGTATCCGTGGTGGCCCTGGGAGCCAACATCATCTGCAACAAGATTCTGGCCTGGCCCCAGC
GCAGCGAGCCATCTGCCAGAGCCGACCCGATGCCATCATCGTGATCGGGGAGGGGCGCAGATGGGTATC
GATGAATGCCAGCACAGTTCGATTTCGGCCGCTGGAAGTCTCCGCCCTGGGCGAGAAGACCGTCTTTG
GGCAAGAGCTCCGAGTAGGGAGTCGAGAGGCTGCCTTCACATACGCCATCACCGCAGCAGGAGTGGCACA
CGCTGTACGGCAGCCTGCAGCCAGGGCAATCTGAGCAACTGTGGCTGTGACCGGAGAAGCAAGGCTAC
TACAACCAGGCAGAAGGCTGGAAGTGGGGGGTGTCTCAGCAGACGTCCGCTATGGCATTGACTTTTCCC
GCCGCTTCGTGGATGCTCGTGAGATCAAAAAGAATGCCAGGCGCCTCATGAACCTTCACAACAATGAGGC
AGGCAGAAAGTTCTGGAGGACCGCATGAAACTGGAATGTAAGTGTACGGAGTGTGGGCTCATGTA
ACCAAACTGCTGGACCACCTGCCAAGTTCGCGAGGTGGGCCACCTACTCAAGGAGAAGTACAACG
CAGCTGTGCAGGTGGAGTGGTGCAGCCAGCCGCTGCGCCAGCCACCTTCTGCGCATCAAGCAGCT
GCGCAGCTATCAGAAGCCGATGGAGACGGACCTGGTGTACATCGAGAAGTCGCCAACTACTGCGAGGAG
GACCGGGCCAGGGCAGCGTAGGCACGCAGGGCCGCTTTGCAACCGCACCTCGCCGGGTGCCGACGGCT
GTGACACCATGTGCTGCGGCCGTGGCTACAACACGCACCAGTACACCAAGGTGTGGCAGTGAACCTGCAA
ATTCCACTGGTGTGCTTCGTCAAGTGCAACACGTGCAGCGAGCGCACCGAGGTCTTCACCTGCAAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209956 representing NM_001009695
 Red=Cloning site Green=Tags(s)

MHRNFRKWIFYVFLCFGLVYVKLGALSSVVALGANIICNKIPGLAPRQRAICQSRPDAIIVIGEGAQMGID
 ECQHQFRFGRWNCSALGEKTVFGQELRVGSREAAFTYAITAAGVAHAVTAACSQGNLSNCGCDREKQGY
 YNQAEGWKWGGCSADVRYGIDFSRRFVDAREIKKNARRLMNLHNNEAGRKVLEDRMKLECKCHGVSGSCT
 TKTCWTTLPKFREVGHLLKEKYNAAVQVEVVRASRLRQPTFLRIKQLRSYQKPMETDLVYIEKSPNYCEE
 DAATGSVGTQGRLCNRTSPGADGCDTMCCGRGYNTHQYTKVWQCNCCKFWCCFVKCNTCSERTEVFTCK

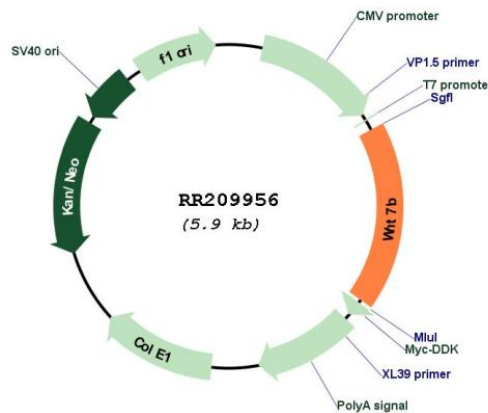
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009695

ORF Size:	1047 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_001009695.1 , NP_001009695.1
RefSeq Size:	1050 bp
RefSeq ORF:	1050 bp
Locus ID:	315196
Cytogenetics:	7q34
MW:	39.3 kDa