

Product datasheet for **RN200060**

WIs (NM_199408) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WIs (NM_199408) Rat Untagged Clone
Tag:	Tag Free
Symbol:	WIs
Synonyms:	Gpr177
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200060 representing NM_199408
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGGCAATTATAGAAAACATGAGCACCAAGAAGCTCTGCATTGTTGGAGGGATTCTTCTGGTTT
 TCCAAATCGTTGCCTTTCTGGTGGGAGGCTTGATCGCTCCAGCACCCACAACGGCAGTGTCTACGTGGC
 AGCAAAATGTGTGGATGTCGGGAAGAACCACCATAAAAACAAGATGGCTGATGCCCTGGGGACCAACAAG
 TGTAACAAGATCAATGACTTCGAAGAAGCAATCCAAGGGAAAATTGAAGCGAATGACATTGTGTTTTCTG
 TACACATCCCCTCCCTTCTATGGAGATGAGCCCATGGTCCAGTTTATGCTGTTTATCCTGCAGATAGA
 CATTGCTTTCAAGCTAAACAACCAAAATCAGAGAAAATGCAGAAGTTTCCATGGATGTTTCCCTGGGTAC
 CGTGATGATATGTTTTCTGAGTGGACTGAAATGGCGCACGAAAGAGTACCACGTAAACTCAGATGCACTT
 TCACATCCCCAAGACCCAGAGCATGAAGGTCGTCATTATGAATGTGATGTCCTTCCCTTCATGGAAT
 TGGGTCAGTGGCTCATAAGTATTACCTTCAAATATCCGGCTACCTGTAATGAGAAGAAGAAAATCAAT
 GTTGGAATTGGGAAATAAAGGACATTCGGTTGGTGGGAATCCACCAAAATGGAGGTTTCTACTAAGGAT
 GTTTTGCTATGAAGACCTTCTCACACCCAGCATCTTCATCATTATGGTGTGGTATTGGAGAAGGATCAC
 CATGATGTCCCGACCTCCAGTGTCTTGGAAAAAGTCACTTTGCCCTTGGGATTCCATGACCTTTATC
 AATATCCCTGTGGAATGGTTTTCCATTGGATTTGATTGGACCTGGATGCTGTTATTTGGTGACATACGAC
 AGGGCATCTTCTATGCAATGCTTCTTCCCTTCTGGATCATCTTCTGTGGCGAGCAGATGATGGATCAACA
 TGAGCGGAATCACATTGCAGGGTATTGGAAGCAAGTTGGACCAATTGCTGTTGGCTCTTCTGCCTCTTC
 ATATTTGACATGTGTGAGAGAGGAGTGAACCTCACAATCCTTTCTACAGTATCTGGACTACAGATGTTG
 GAACAGAAGTGGCTATGGCTTTCATCATTGTGGCAGGTATCTGCCTCTGCCTCTACTTCCCTGTTTCTGTG
 TTTTCATGGTATTTCAAGTATTCAGAAACATCAGTGGGAAACAGTCTAGCCTCCCAGCCATGAGCAAAGTC
 CGGAGGCTGCACTATGAGGGTCTGATTTTCAGGTTCAAGTTCCTCATGCTGATCACCTTGCTTGTGCTG
 CCATGACTGTTATCTTCTCATTGTTAGTCAGGTGACAGAAGGCCATTGGAAATGGGGTGGGGTCACAGT
 TCAAGTGAGCAGTGTCTTCTCACTGGAATCTATGGGATGTGGAACCTGTATGCTTTGCTTTGATGTTT
 TTGTATGCACCATCCATAAGAAGTATGGGGAAGACCAGTCTAATGGTGACCTGGGTGTCCACAGCGGGG
 AAGAAGTGCAGCTCACTACCACAATCACCCATGTAGATGGACCGACTGAGATCTACAAGTTGACCCGTAA
 AGAAGCACAGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_199408
Insert Size: 1626 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:

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_199408.2](#), [NP_955440.1](#)

RefSeq Size: 2899 bp

RefSeq ORF: 1626 bp

Locus ID: 362065

UniProt ID: [Q6P689](#)

Cytogenetics: 2q45

Gene Summary: Regulates Wnt proteins sorting and secretion in a feedback regulatory mechanism. This reciprocal interaction plays a key role in the regulation of expression, subcellular location, binding and organelle-specific association of Wnt proteins. Plays also an important role in establishment of the anterior-posterior body axis formation during development (By similarity).[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.