

Product datasheet for **RN216879**

Wls (NM_001085353) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wls (NM_001085353) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wls
Synonyms:	Gpr177
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216879 representing NM_001085353
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGGCAATTATAGAAAACATGAGCACCAAGAAGCTCTGCATTGTTGGAGGGATTCTTCTGGTTT
 TCCAAATCGTTGCCTTTCTGGTGGGAGGCTTGATCGCTCCAGCACCCACAACGGCAGTGTCTACGTGGC
 AGCAAAATGTGTGGATGTCGGGAAGAACCACCATAAAAACAAGATGGCTGATGCCCTGGGGACCAACAAG
 TGTAACAAGATCAATGACTTCGAAGAAGCAATCCAAGGGAAATGAAGCGAATGACATTGTGTTTTCTG
 TACACATCCCCTCCCTTCTATGGAGATGAGCCCATGGTCCAGTTTATGCTGTTTATCCTGCAGATAGA
 CATTGCTTTCAAGCTAAACAACCAAAATCAGAGAAAATGCAGAAGTTTCCATGGATGTTCCCTGGGTTAC
 CGTGATGATATGTTTTCTGAGTGGACTGAAATGGCGCACGAAAGAGTACCACGTAAACTCAGATGCACTT
 TCACATCCCCAAGACCCAGAGCATGAAGGTCGTCATTATGAATGTGATGTCCTTCTTTCATGGAAT
 TGGGTCAGTGGCTCATAAGTATTACCTTCAAATATCCGGCTACCTGTAATGAGAAGAAGAAAATCAAT
 GTTGGAATTGGGAAATAAAGGACATCCGGTGGTGGGAATCCACCAAAATGGAGGTTTCTACTAAGGTAT
 GTTTTGCTATGAAGACCTTCTCACACCCAGCATCTTCATCATTATGGTGTGGTATTGGAGAAGGATCAC
 CATGATGTCCCGACCTCCAGTGTCTTGGAAAAAGTCACTTTGCCCTTGGGATTTCCATGACCTTTATC
 AATATCCCTGTGGAATGGTTTTCCATTGGATTTGATTGGACCTGGATGCTGTTATTTGGTGACATACGAC
 AGGGCATCTTCTATGCAATGCTTCTTCCCTTCTGGATCATCTTCTGTGGCGAGCACATGATGGATCAACA
 TGAGCGGAATCACATTGCAGGGTATTGGAAGCAAGTTGGACCAATTGCTGTTGGCTCTTCTGCCTCTTC
 ATATTTGACATGTGTGAGAGAGGAGTGCAACTCACAAATCCTTTCTACAGTATCTGGACTACAGATGTTG
 GAACAGAACTGGCTATGGCTTTCATCATTGTGGCAGGTATCTGCCTCTGCCTCTACTTCTGTTTCTGTG
 TTTTCATGGTATTTCAAGTATTCAGAAACATCAGTGGGAAACAGTCTAGCCTCCCAGCCATGAGCAAAGTC
 CGGAGGCTGCACTATGAGGGTCTGATTTTCAGGTTCAAGTTCTCATGCTGATCACCTTGGCTTGTGCTG
 CCATGACTGTTATCTTCTTATTGTTAGTCAGGTGACAGAAGGCCATTGGAAATGGGGTGGGGTCACAGT
 TCAAGTGAGCAGTGTCTTCTTCACTGGAATCTATGGGATGTGGAACCTGTATGCTTTGCTTTGATGTTT
 TTGTATGCACCATCCATAAGAACTATGGGGAAGACCAGTCTAATGGTGACCTGGGTGCCACAGCGGGG
 AAGAAGTGCAGCTCACTACCACAATCACCCATGTAGATGGACCGACTGAGATCTACAAGTTGACCCGTAA
 AGAAGCACAGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001085353
- Insert Size:** 1626 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<u>NM_001085353.1, NP_001078822.1</u>
RefSeq Size:	2640 bp
RefSeq ORF:	1626 bp
Locus ID:	362065
UniProt ID:	<u>Q6P689</u>
Cytogenetics:	2q45
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>