

Product datasheet for **RC211072**

GPR177 (WLS) (NM_024911) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR177 (WLS) (NM_024911) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR177
Synonyms:	C1orf139; EVI; GPR177; mig-14; MRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC211072 representing NM_024911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGGGGCAATTATAGAAAACATGAGCACCAAGAAGCTGTGCATTGTTGGTGGGATTCTGCTCGTGT
 TCCAAATCATCGCTTTCTGGTGGGAGGCTTGATTGCTCCAGGGCCACACACGGCAGTGTCTACATGTC
 GGTGAAATGTGTGGATGCCCGTAAGAACCATCACAAGACAAAATGGTTCGTGCCTTGGGGACCCAATCAT
 TGTGACAAGATCCGAGACATTGAAGAGGCAATCCAAGGGAAAATTGAAGCCAATGACATCGTGTCTTCTG
 TTCACATTTCCCCTCCCCACATGGAGATGAGTCCCTGGTTCCAATTCATGCTGTTTATCCTGCAGCTGGA
 CATTGCCTTCAAGCTAAACAACCAAAATCAGAGAAAATGCAGAAGTCTCCATGGACGTTTCCCTGGCTTAC
 CGTGATGACGCATTTGCTGAGTGGACTGAAATGGCCCATGAAAGAGTACCACGGAAACTCAAATGCACCT
 TCACATCTCCAAGACTCCAGAGCATGAGGGCCGTTACTATGAATGTGATGTCCTTCTTTCATGGAAT
 TGGGTCTGTGGCCATAAGTTTTACCTTTAAACATCCGGCTGCCTGTGAATGAGAAGAAGAAAATCAAT
 GTGGGAATTGGGGAGATAAAGGATATCCGGTGGTGGGGATCCACCAAAATGGAGGCTTACCAAGGTGT
 GTTTTGCCATGAAGACCTTCTTACGCCAGCATCTTCATCATTATGGTGTGGTATTGGAGGAGGATCAC
 CATGATGTCCCGACCCCCAGTGTCTTGGAAAAAGTCACTTTGCCCTTGGGATTTCCATGACCTTTATC
 AATATCCCAGTGGAAATGGTTTTCCATCGGGTTGACTGGACCTGGATGCTGCTGTTTGGTACATCCGAC
 AGGGCATCTTCTATGCGATGCTTCTGTCCTTCTGGATCATCTTCTGTGGCGAGCACATGATGGATCAGCA
 CGAGCGGAACCACATCGCAGGGTATTGGAAGCAAGTCCGACCCATTGCCGTTGGCTCCTTCTGCCTTTC
 ATATTTGACATGTGTGAGAGAGGGGTACAACACGGAATCCCTTCTACAGTATCTGGACTACAGACATTG
 GAACAGAGCTGGCCATGGCCTTTCATCATCGTGGCTGGAATCTGCCTCTGCCTCTACTTCTGTTTCTATG
 CTTTCATGGTATTTTCAGGTGTTTCGGAACATCAGTGGGAAGCAGTCCAGCCTGCCAGCTATGAGCAAAGTC
 CGGCGGCTACACTATGAGGGGCTAATTTTTAGGTTCAAGTTCCTCATGCTTATCACCTTGGCCTGCGCTG
 CCATGACTGTCATCTTCTTTCATCGTTAGTCAGGTAACGGAAGGCCATTGGAAATGGGGCGGCGTCACAGT
 CCAAGTGAACAGTGCCTTTTTACAGGCATCTATGGGATGTGGAATCTGTATGCTTTGCTCTGATGTTT
 TTGTATGCACCATCCCATAAAACTATGGAGAAGACCAGTCCAATGGCGATCTGGGTGCCATAGTGGGG
 AAGAACTCCAGCTCACCACCACTATCACCCATGTGGACGGACCCACTGAGATCTACAAGTTGACCCGCAA
 GGAGGCCAGGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211072 representing NM_024911
 Red=Cloning site Green=Tags(s)

MAGAIENMSTKLLCIVGGILLVFQIIAFLVGLIAPGPTTAVSYMSVKVDARKNHKTKWFPWGPNH
 CDKIRDIEEAIPREIEANDIVFSVHIPLPHMEMSPWFQFMLFILQLDIAFKLNNQIRENAEVSMDVSLAY
 RDDAFAEWTEMAHERVPRKLKCTFTSPKTPEHEGRYYECDVLPFMEIGSVAHKFYLLNIRLPVNEKKKIN
 VGIGEIKDIRLVGIHQNGGFTKVVFAFKTFLTPSIFIIIMVWYRRITMMSRPPVLEKVFALGISMTFI
 NIPVEWFSIGFDWTWMLFGDIRQGIIFYAMLLSFWIIFCGEHMMDQHERNHIAGYWKQVGPVAVGSFCLF
 IFDMCERGVQLTNPFYIWTDDIGTELAMAFIIVAGICLCLYFLFLCFMVQVFRNISGKQSSLPAMSKV
 RRLHYEGLIFRFKFLMLITLACAAMTVIFFIVSQVTEGHKWKGGVTVQVNSAFFTGIIYGMWNLVYFALMF
 LYAPSHKNYGEDQSNGLGVHSGEELQLTTTITHVDGPTEIYKLTREAEQ

SGP**TRRRLEQKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mg3063_a05.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_024911

ORF Size: 1623 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](#)

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:**
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_024911.7](#)

RefSeq Size: 2767 bp

RefSeq ORF: 1626 bp

Locus ID: 79971

UniProt ID: [Q5T9L3](#)

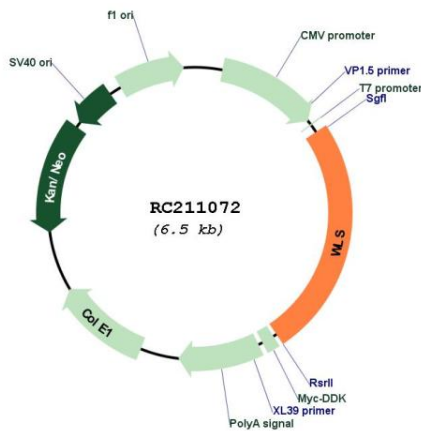
Cytogenetics: 1p31.3

Protein Families: Transmembrane

MW: 62.1 kDa

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]

Product images:



Circular map for RC211072