

## Product datasheet for **SC111903**

### **GPR177 (WLS) (NM\_024911) Human Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | GPR177 (WLS) (NM_024911) Human Untagged Clone |
| Tag:                      | Tag Free                                      |
| Symbol:                   | GPR177  |
| Synonyms:                 | C1orf139; EVI; GPR177; mig-14; MRP            |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL4</a></u>              |
| E. coli Selection:        | Ampicillin (100 ug/mL)                        |



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_024911 edited  
 GGAACCCGAGCCGGCTGCGCCGGGGGAATCCGTGCGGGCGCCTTCCGTCCCGGTCCCATC  
 CTCGCCGCGCTCCAGCACCTCTGAAGTTTTGCAGCGCCAGAAAGGAGGCGAGGAAGGAG  
 GGAGTGTGTGAGAGGAGGGAGCAAAAAGCTCACCTAAAACATTTATTTCAAGGAGAAAA  
 GAAAAAGGGGGCGCAAAAATGGCTGGGGCAATTATAGAAAACATGAGCACCAAGAAGC  
 TGTGCATTGTTGGTGGGATTCTGCTCGTGTCCAAATCATCGCCTTTCTGGTGGGAGGCT  
 TGATTGCTCCAGGGCCCAACCGCAGTGTCTACATGTCGGTGAATGTGTGGATGCC  
 GTAAGAACCATCACAAAGCAAAAATGGTTCTGTCCTTGGGACCCAATCATTGTGACAAGA  
 TCCGAGACATTGAAGAGGCAATTCCAAGGAAATTGAAGCCAATGACATCGTGTCTTCTG  
 TTCACATTTCCCCTCCCCACATGGAGATGAGTCCTTGGTTCCAATTCATGCTGTTTATCC  
 TGCAGCTGGACATTGCCTTCAAGCTAAACAACCAATCAGAGAAAATGCAGAAGTCTCCA  
 TGGACGTTTCCCTGGCTTACCGTGATGACGCGTTTGTGAGTGGACTGAAATGGCCCATG  
 AAAGAGTACCACGAAACTCAAATGCACCTTACATCTCCAAGACTCCAGAGCATGAGG  
 GCCGTTACTATGAATGTGATGTCCTTCTTTTATGGAAATGGGTCTGTGGCCATAAGT  
 TTTACCTTTTAAACATCCGGCTGCCTGTGAATGAGAAGAAGAAAATCAATGTGGGAATTG  
 GGGAGATAAAGGATATCCGGTGGTGGGATCCACCAAAATGGAGGCTTACCAAGGTGT  
 GTTTTGCCATGAAGACCTTCTTACGCCAGCATCTTCATCATTATGGTGTGGTATTGGA  
 GGAGGATCACCATGATGTCCCGACCCCAAGTGTCTGAAAAAGTCATCTTTGCCCTTG  
 GGATTTCCATGACCTTTATCAATATCCCAGTGAATGGTTTTCCATCGGGTTTACTGGA  
 CCTGGATGCTGCTGTTTGGTGACATCCGACAGGGCATCTTCTATGCGATGCTTCTGTCCT  
 TCTGGATCATCTTCTGTGGCGAGCACATGATGGATCAGCAGGAGCGGAACCACATCGCAG  
 GGTATTGGAAGCAAGTCGACCCATTGCCGTTGGCTCCTTCTGCCTTTCATATTTGACA  
 TGTGTGAGAGAGGGGTACAACACGAATCCCTTCTACAGTATCTGGACTACAGACATTG  
 GAACAGAGCTGGCCATGGCCTTTCATCATCGTGGCTGGAATCTGCCTCTGCCTCTACTTCC  
 TGTTTTCTATGCTTCATGGTATTTTCAGGTGTTTCGGAACATCAGTGGGAAGCAGTCCAGCC  
 TGCCAGCTATGAGCAAAGTCCGGCGGCTACACTATGAGGGGCTAATTTTTAGGTTCAAGT  
 TCCTCATGCTTATCACCTTGGCCTGCGCTGCCATGACTGTCTTCTTCATCGTTAGTC  
 AGGTAACGGAAGGCCATTGAAAATGGGGCGGCGTCACAGTCCAAGTGAACAGTGCCTTTT  
 TCACAGGCATCTATGGGATGTGGAATCTGTATGTCTTTGCTCTGATGTTCTTGTATGCAC  
 CATCCCAAAAACTATGGAGAAGACCAGTCCAATGGCGATCTGGGTGTCCATAGTGGG  
 AAGAACTCCAGCTCACCACCACTATCACCCATGTGGACGGACCCACTGAGATCTACAAGT  
 TGACCCGCAAGGAGGCCAGGAGTAGGAGGCTGCAGCGCCGGCTGGGACGGTCTCTCCA  
 TACCCAGCCCTCTAACTAGAGTGGGGAGCATGCCAGAGAGAGCTCAATGTACAATGA  
 ATGCCCTCATGGCTCTTAGCTGTGGTTTCTTGGACCAGCGGCATGGACATTTGTCAGTTTG  
 CCTTCTGACGGTAGCTTTTGGAGGAAGATTCTGCAGCCACTAATGCATTGTGTATGATA  
 ACAAAAACCTCTGGTATGACACATTTTCTGTGATCATTGTTAATTAGTGACATAGTAACAT  
 CTGTAGCAGCTGGTTAGTAAACCTCATGTGGGGTGGGGTGGGGTGTATTCCTTGGGGG  
 ATGGTTTTGGGCCGAATGGGGAGTGAATATTTGACATTTTCTGTGTTTTAAATCTAGGA  
 TAGATTTTAAACATCCTTTGCGGTCCCAGTCCAAGGTAGGCTGGTGTATAGTCTTCTCAC  
 TCCTAATCCATGACCACTGTTTTTTTCTATTTATATCACCAGGTAGCCCACTGAGTTAA  
 TATTTAAGTTGTCAATAGATAAGTGTCCCTGTTTTGTGGCATAATAAAGTGAATTTTCAT  
 GAGAAGATTTATCCACCAGGGGATTTTCAAGCTTTGAAACCAATCTGTGTATCTAATAC  
 TAACCAATCTGTTGGATGTGGGTTTTAAAAAATGTTTGTCTAAACTACCAAGTAAGATTT  
 ACTGTATTAATGGCCTTCGGGCTGAAAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAA

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_024911

**Insert Size:** 2600 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | <p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p> |
| <b>OTI Annotation:</b>        | The ORF of this clone has been fully sequenced and found to be a perfect match to NM_024911.4.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_024911.2</a> , <a href="#">NP_079187.2</a>  |
| <b>RefSeq Size:</b>           | 2225 bp  |
| <b>RefSeq ORF:</b>            | 1326 bp  |
| <b>Locus ID:</b>              | 79971  |
| <b>UniProt ID:</b>            | <a href="#">Q5T9L3</a>   |
| <b>Cytogenetics:</b>          | 1p31.3   |
| <b>Protein Families:</b>      | Transmembrane  |
| <b>Gene Summary:</b>          | <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 (1) represents the longest transcript and encodes isoform 1.</p>  |