

Product datasheet for **MG207034**

Gpr177 (BC018381) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr177 (BC018381) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr177
Synonyms:	5031439A09Rik; AI173978; AI987742; Gpr177
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207034 representing BC018381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGAGTCCATGGTTCCAGTTTATGCTGTTTATCTTGCAGCTAGACATTGCTTTCAAGCTGAACA
ACCAAATCAGAGAAAATGCAGAAATTTCCATGGATGTTTCCCTGGGTTACCGTGATGATATGTTTTCTGA
ATGGACTGAAATGGCCCATGAAAGAGTACCACGTAACCTCAAATGACTTTTACATCCCCAAGACCCCA
GAGCAGCAAGGTCGTTATTATAATTGTGATGTCCTTCTTTCATGAAAATGGGTCAGTGGCTCATAAGT
ATTACCTTCTAAATATCCGGCTACCTGTAATGAGAAAAAGAAAATCAATGTTGGAATGGGGAGATAAA
GGACATTCGGTTGGTGGGAATCCACAAAACGGAGGTTTCACTAAGGTATGGTTTGTATGAAGACCTTC
CTTACACCCAGCATCTTCATCATTATGGTGTGGTATTGGAGGAGGATCACCATGATGTCCCGACCTCCAG
TGCTTCTGAAAAAGTCATCTTTGCCCTTGGGATTTCCATGACCTTTATCAATATCCCTGTGGAATGGTT
TTCTATTGGATTTGACTGGACCTGGATGCTGTTATTTGGTGACATCCGACAGGGCATCTTCTATGCAATG
CTTCTTTCTTTCTGGATCATCTTCTGTGGCGAGCATGATGGATCAACATGAACGGAATCACATTGCAG
GGTACTGGAAGCAAGTTGGACCAATTGCTGTTGGCTCCTTCTGCCTTTCATATTTGACATGTGTGAAAG
AGGAGTACAACCTACAAATCCTTTCTACAGTATCTGGACTACAGATGTTGGAACAGAAGTGGCTATGGCT
TTCATCATTGTGGCAGGTATCTGCCTCTGCTCTATTTCTGTTTCTGTGCTTTCATGGTATTTTCAGGTAT
TTAGAAACATCAGTGGGAAGCAGTCTAGCCTCCAGCCATGAGCAAAGTCCGGAGGCTGCATATGAGGG
TCTGATCTTCAGGTTCAAGTTCCTCATGCTTATCACCTTGGCTTGTGCTGCCATGACTGTTATCTTCTTC
ATCGTTAGTCAGGTGTCAGAAGGCCATTGGAAATGGGGTGGTGTACAGTTCAAGTGAGCAGTGCTTTCT
TCACTGGAATCTATGGGATGTGGAACCTGTATGTCTTTGCTTTGATGTTCTTGTATGCACCATCCCATAA
GAACTATGGGGAAGACCAGTCTAATGGTGACCTGGGTGTCCACAGCGGGGAAGAACTGCAGCTTACTACC
ACTATAACCCATGTAGATGGACCAACTGAGATCTACAAGTTGACCCGTAAGAAGCACAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207034 representing BC018381
 Red=Cloning site Green=Tags(s)

MEMSPWFQFMLFILQLDIAFKLNNQIRENAEISMDVSLGYRDDMFSEWTEMAHERVPRKLKCTFTSPKTP
 EHEGRYYNCDVLPFMEIGSVAHKYLLNIRLPVNEKKKINVGIGEIKDIRLVGIHQNGGFTKVWFAMKTF
 LTPSIFIIMVWYWRITMMSRPPVLEKVFIFALGISMTFINIPVEWFSIGFDWTWMLLFGDIRQGIFYAM
 LLSFWIIFCGEHMMDQHERNHIAGYWKQVGPIAVGSFCLFIFDMCERGVQLTNPFYSIWTTDVGTELAMA
 FIIVAGICLCLYFLFLCFMVQVFRNISGKQSSLPAMSKVRRLLHYEGLIFRFKFLMLITLACAAMTVIFF
 IVSQVSEGHWKWGGVTVQVSSAFFGTGIYGMWNLVYFALMFLYAPSHKKNYGEDQSNGLGVHSGEELQLTT
 TITHVDGPTEIYKLTRKEAQE

TRTRPLE – GFP Tag – V

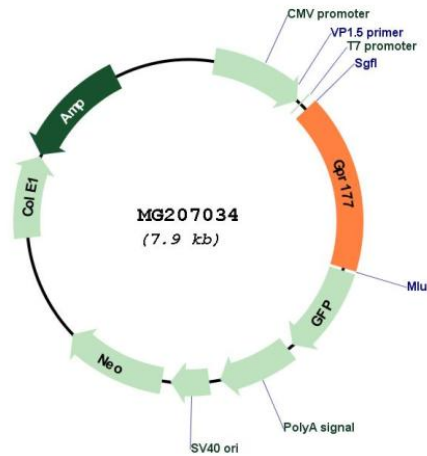
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC018381

ORF Size:	1325 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:	BC018381 , AAH18381
RefSeq Size:	2188 bp
RefSeq ORF:	1325 bp
Locus ID:	68151
Cytogenetics:	3 H4
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. [UniProtKB/Swiss-Prot Function]