

## Product datasheet for **RC220955**

### **GPR176 (NM\_007223) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR176 (NM_007223) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR176
Synonyms:	HB-954
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC220955 representing NM\_007223  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGACATAACGGGAGCTGGATCTCTCCAATGCCAGCGAGCCGACAAACGCGTCCGGCGCCGAGGCTG  
 CGGGTGTGAACCGCAGCGCTCGGGGAGTTCGGCGAGGCGCAGCTGTACCGCCAGTTACCACCACCGT  
 GCAGGTCGTCATCTTCATAGGCTCGCTGCTCGGAACTTCATGGTGTATGGTCAACTTGCCGACAAAC  
 GTGTTCAAATCTGTCACCAACAGGTTCAATAAAAACTGGCTGCTCGGGGATTTGTGCCAGCCTGGTCT  
 GTGTGCCCTTCGACATCATCCTCAGCACCAGTCTCACTGTTGCTGGTGGATCTACACCATGCTCTTCTG  
 CAAGGTCGTCAAATTTTGCACAAAGTATTCTGCTCTGTGACCATCTCAGTCCCTGCTATTGCTTTG  
 GACAGGTAATACTCAGTCTCTATCCACTGGAGAGGAAAATATCTGATGCCAAGTCCCGTGAAGTGGTGA  
 TGTACATCTGGGCCATGCAGTGGTGGCCAGTGTCCCTGTGTTTGCAGTAACCAATGTGGCTGACATCTA  
 TGCCACGTCCACCTGCACGGAAGTCTGGAGCAACTCCTTGGGCCACCTGGTGTACGTTCTGGTGTATAAC  
 ATCACCACGGTCAATTGTGCCTGTGGTGGTGGTGTCTCTTCTTGATACTGATCCGACGGGCCCTGAGTG  
 CCAGCCAGAAGAAGAAGGTCATCATAGCAGCGCTCCGGACCCACAGAACACCATCTCTATTCCCTATGC  
 CTCCCAGCGGGAGGCCGAGCTGCACGCCACCCTGCTCTCCATGGTGTGGTCTTTCATCTTGTGTAGCGTG  
 CCCTATGCCACCCTGGTGTCTACCAGACTGTGCTCAATGTCCCTGACACTTCCGCTTCTTGTGCTCA  
 CTGCTGTTTGGCTGCCAAAAGTCTCCCTGCTGGCAAACCTGTTCTTTTCTTACTGTGAACAAATCTGT  
 CCGCAAGTGTGATAGGGACCTGGTGAACCTACACCACCGGTACAGTCGCCGTAATGTGGTCACTACA  
 GGGAGTGGCAGTGGCTGAGGCCAGCCTGGAACCCAGCATAACGCTCGGGTAGCCAGCTCTGGAGATGTTCC  
 ACATTGGGCAGCAGCAGATCTTTAAGCCACAGAGGATGAGGAAGAGAGTGAAGCCAAATACATTGGCTC  
 AGCTGACTTCCAGGCCAAGGAGATATTTAGCACCTGCCTGGAGGAGAGCAGGGGCCACAGTTTGCGCC  
 TCTGCCCCACCCCTGAGCACAGTGGACTCTGTATCCCAGGTGGCACCGGACGCCCTGTGGAACCTGAAA  
 CATTCCCTGATAAGTATCCCTGCAGTTTGGCTTTGGCCTTTGGAGTTGCCTCCTCAGTGGCTCTCAGA  
 GACCCGAAACAGCAAGAAGCGGCTGCTTCCCCCTTGGGCAACACCCAGAAAGAGCTGATCCAGACAAAG  
 GTGCCCAAGGTAGGCAGGTTGGAGCGGAAGATGAGCAGAAACAATAAAGTGAATTTTTCAAAGGTGG  
 ATTCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC220955 representing NM\_007223  
 Red=Cloning site Green=Tags(s)

MHNGSWISPNASEPHNASGAEAGVNRSLGEGEQLYRQFTTTVQVVFIFIGSLLGNFMVLWSTCRTL  
 VFKSVNRFIKNLACSGICASLVCVPFDIILSTSPHCCWIIYTMFLCKVVKFLHKVFCSVTILSFPAL  
 DRYYSVLVPLERKISDAKSRELVMYIWAHAVVASVPVFAVTNVADIYATSTCTEVWSNSLGHVYVLYVN  
 ITTVIVPVVVVFLFLILIRRALSASQKKKVIIAALRTPQNTISIPYASQREAEHATLLSMVMVILCSV  
 PYATLVVYQTVLNVPTSVFLLLTAVWLPKVSLLANPVLFLTVNKSVRKCLIGTLVQLHHRYSRRNVVST  
 GSGMAEASLEPSIRSGSQLLEMFHIGQQQIFKPTDEEESEAKYIGSADFQAKEIFSTCLEGEQGPQFAP  
 SAPPLSTVDSVSQVAPAAPVEPETFPDKYSLQFGFPELPPQWLSETRNSKKRLLPPLGNTPEELIQTK  
 VPKVGRVERKMSRNNKVSIFPKVDS

**SGP**TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8120\\_f06.zip](https://cdn.origene.com/chromatograms/mk8120_f06.zip)

**Restriction Sites:**

Sgfl-RsrII

Cloning Scheme:



ACCN: NM\_007223

ORF Size: 1545 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](mailto: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.

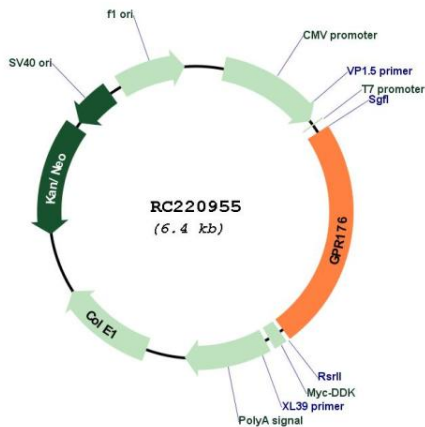
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_007223.3](#)

RefSeq Size:	4542 bp
RefSeq ORF:	1548 bp
Locus ID:	11245
UniProt ID:	<a href="#">Q14439</a>
Cytogenetics:	15q14-q15.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	57.4 kDa
Gene Summary:	Members of the G protein-coupled receptor family, such as GPR176, are cell surface receptors involved in responses to hormones, growth factors, and neurotransmitters (Hata et al., 1995 [PubMed 7893747]).[supplied by OMIM, Jul 2008]

**Product images:**



Circular map for RC220955