

Product datasheet for RC224221

GPR179 (NM_001004334) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR179 (NM_001004334) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR179
Synonyms:	CSNB1E; GPR158L; GPR158L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224221 representing NM_001004334 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC224221 representing NM_001004334
 Red=Cloning site Green=Tags(s)

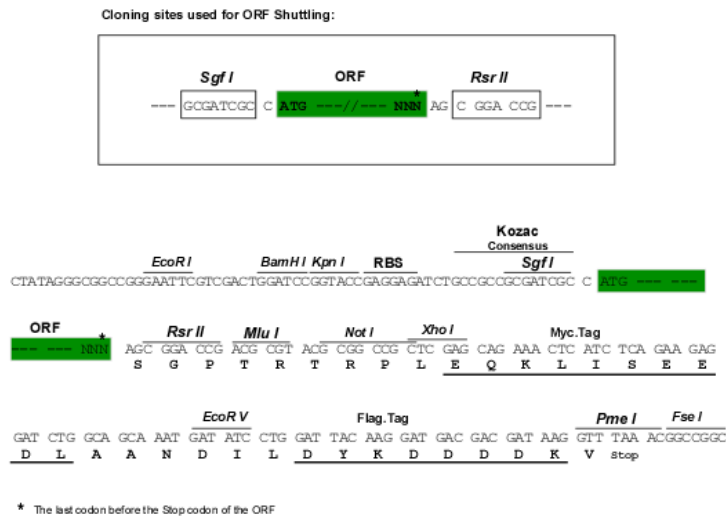
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SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8001_h07.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001004334

ORF Size: 7101 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:**
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_001004334.2](#)

RefSeq Size: 7980 bp

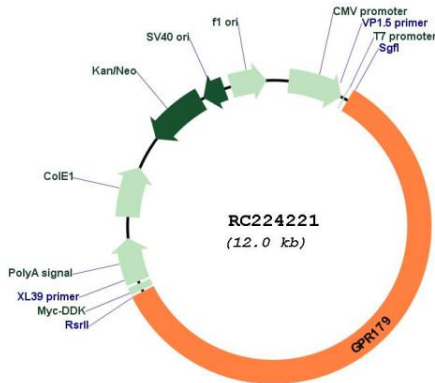
RefSeq ORF: 7104 bp

Locus ID: 440435

UniProt ID: [Q6PRD1](#)

Cytogenetics: 17q12
Protein Families: Druggable Genome, Transmembrane
MW: 257.2 kDa
Gene Summary: This gene encodes a member of the glutamate receptor subfamily of G protein-coupled receptors. The encoded protein has an EGF-like calcium binding domain and a seven transmembrane domain in the N-terminal region of the protein. Mutations in this gene are associated with congenital stationary night blindness type 1E. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RC224221