

Product datasheet for **RC218079**

GPR108 (NM_001080452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR108 (NM_001080452) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR108
Synonyms:	LUSTR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218079 representing NM_001080452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCAGTGAGCGAGAGGAGGGGCTCGGCCGCGGAGCCCCGCGAGTGGGGGACGCGCTACTTCTGG
 TGTGCTGCTGGGTGGCTGCTCCGGGCGCATCCACCAGCTGGCGCTGACGGGGGAGAAGCGAGCGGACAT
 CCAGCTGAACAGCTTCGGTTTCTACACCAATGGCTCTCTGGAGGTGGAGTTGAGCGTCCTGCGGCTGGGC
 CTCCGGGAGGCAGAAGAGAAGTCCCTGCTGGTGGGTTTCACTCTCAGCCGGGTTCCGGTCTGCGAGAGTTC
 GCTCCTATTCAACCCGGGATTTCCAGGACTGCCCTCTCCAGAAAAACAGTAGCAGTTTCTGGTCTGTT
 CCTCATCAACACCAAGGATCTGCAGGTCCAGGTGCGGAAGTATGGAGAGCAGAAGACGTTGTTTATCTTT
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 TGGATGGCGGAGGACCTCTGCAGCCAGCAAGCCCAAGTCAACACCCGAGTGATTACAGGTCTAGTGG
 GAAGGACAAGGACCTGGTGTGGCCTGAGCCACCTCAACAACCTCTACAACCTCAGTTTCCACGTGGTG
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 ATCCTCTGCAGGAACACGTACAGCGTCTTCAAGATCCACTGGCTCATGGCGGCCTTGGCCTTACCAAGA
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 GGCTGTGCCCTTTCAGTGGCAGTGGCTGTACCAGCTCTTGGTGGAGGGCTCCACCCTGGCCTTCTTCGTG
 CTCACGGGCTACAAGTTCAGCCACAGGAAACAACCCGTACCTGCAGTGGCCAGGAGGACGAGGAGG
 ATGTTTCAGATGGAGCAAGTAATGACGACTCTGGGTTCCGGGAAGGCCTCTCAAAGTCAACAAAACAGC
 CAGCGGGCGGAACTGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218079 representing NM_001080452
 Red=Cloning site Green=Tags(s)

MAVSERRGLGRGSPAEWGQRLLLVLLLGCGSGRIHQLALTGEKRADIQLNSFGFYTNGLSEVLSVLRGL
 LREAEEKSLLVGFSLSRVRSRGRVRSYSTRDFQDCPLQKNSSSFLVLFINTKDLQVVRKYGEQKTLFIF
 PGLLPEAPSKPGLPKPQATVPRKVDGGGTSAAKPKSTPAVIQGPSGKDKDLVLGLSHLNNSYNFSFHV
 IGSQAEEGQYSLNFHNCNNSVPGKEHPFDITVMIREKNPDGFLSAAEMPLFKLYMVSACFLAAGIFWVS
 ILCRNTYSVFKIHWLMAALFTKISLLFHSINYFINSQGHPIEGLAVMYIAHLLKGALLFITIALIG
 SGWAFIKYVLSDEKKVFGIVIPQVLNAVYIIIESREEGASDYVLWKEILFLVDLICGAILFPVWVS
 IRHLQDASGTDGKAVNLAKLKLFRHYVMVICYVYFTRIIAILLQVAVPFQWQWLYQLLVEGSTLAFFV
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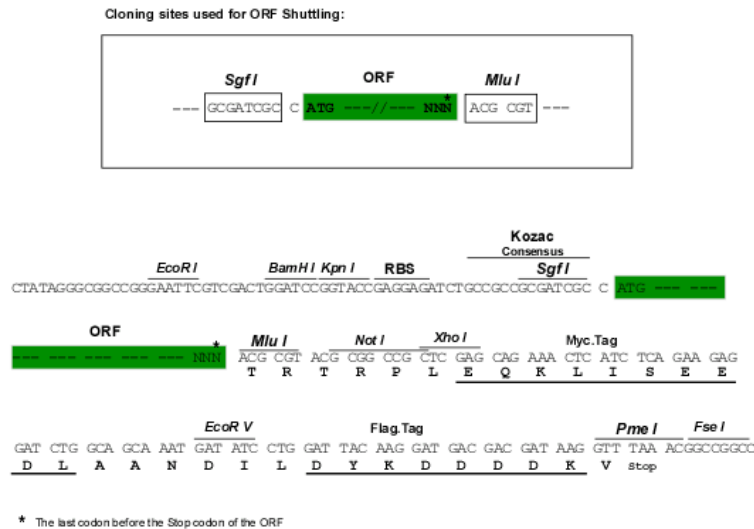
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8066_e02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001080452

ORF Size: 1629 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080452.1](#), [NP_001073921.1](#)

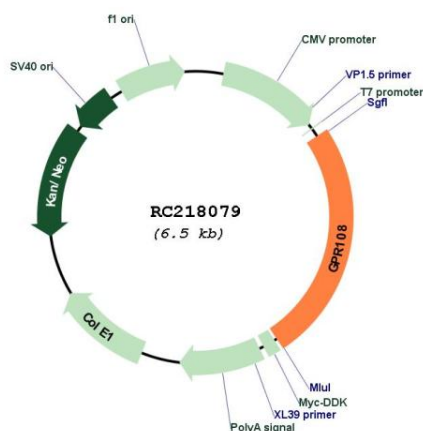
RefSeq Size: 2076 bp

RefSeq ORF: 1632 bp

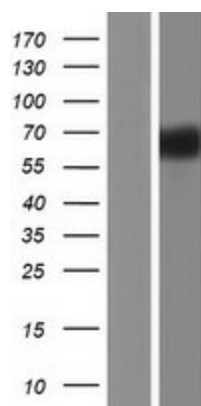
Locus ID: 56927

UniProt ID: Q9NPR9
 Cytogenetics: 19p13.3
 Protein Families: Druggable Genome, Transmembrane
 MW: 60.5 kDa

Product images:



Circular map for RC218079



Western blot validation of overexpression lysate (Cat# [LY420710]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218079 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).