

Product datasheet for **RG231184**

GPR120 (FFAR4) (NM_001195755) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR120 (FFAR4) (NM_001195755) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GPR120
Synonyms: BMIQ10; GPR120; GPR129; GT01; O3FAR1; PGR4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231184 representing NM_001195755
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTCCCCTGAATGCGCGCGGGCAGCGGGCAGCGCCCTTGCGCAGCCTGGAGCAAGCCAACCGCACCC
GCTTTCCCTTCTCTCCGACGTCAAGGGCGACCACCGGCTGGTGTGGCCGCGGTGGAGACAACCGTGCT
GGTGTCATCTTTCAGTGTGCTGCTGGGCAACGTGTGCGCCCTGGTGTGGTGGCGCCGACGACGC
CGCGGGCGGACTGCCTGCCTGGTACTCAACCTCTTCTGCGGGACCTGCTCTTCATCAGCGCTATCCCTC
TGGTGCTGGCCGTGCGCTGGACTGAGGCCTGGCTGCTGGGCCCGTTGCCTGCCACCTGCTTTCTACGT
GATGACCCTGAGCGGCAGCGTCACCATCCTCACGCTGGCCGCGGTGAGCCTGGAGCGCATGGTGTGCATC
GTGCACCTGCAGCGCGCGTGGCGGGTCTGGCGGGCGGGCGCGGCACTGCTGTGGCGCTCATCTGGG
GCTATTCGGCGGTGCGCGCTCTGCCTCTCTGCGTCTTCTCCGAGTCGTCCCGCAACGGCTCCCCGGCGC
CGACCAGGAAATTCGATTTGCACACTGATTTGGCCACCATTCTGGAGAGATCTCGTGGGATGTCTCT
TTTGTTACTTTGAACTTCTTGGTGCCAGGACTGGTCATTGTGATCAGTTACTCCTAAATTTACAGATCA
CAAAGGATCAAGGAAGAGGCTCACGGTAAGCCTGGCCTACTCGGAGAGCCACCAGATCCGCGTGTCCCA
GCAGGACTTCCGGCTCTCCGCACCCTCTCCTCCTCATGGTCTCCTTCTTCATCATGTGGAGCCCCATC
ATCATCACCATCCTCATCTGATCCAGAATTCAAGCAAGACCTGGTCATCTGGCCGTCCCTCTTCT
TCTGGTGGTGGCCTTACATTTGCTAATTCAGCCCTAAACCCATCCTCTACAACATGACACTGTGCAG
GAATGAGTGGAAGAAAATTTTTGCTGCTTCTGGTTCAGAAAAGGGAGCCATTTTAACAGACACATCT
GTCAAAAGAAATGACTTGTGATTATTTCTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG231184 representing NM_001195755
 Red=Cloning site Green=Tags(s)

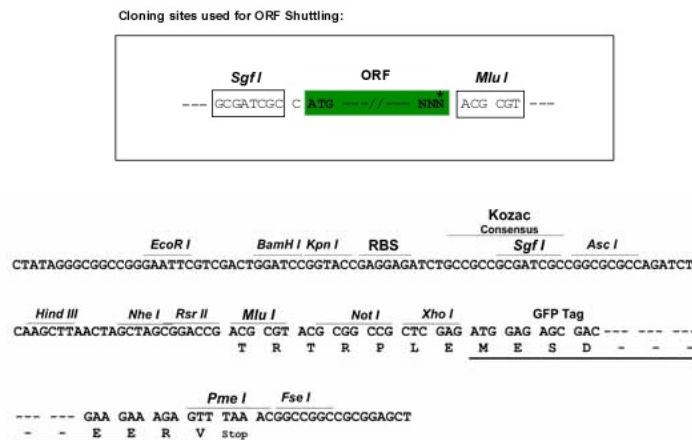
MSPECARAAGDAPLRSLSEQANRTRFPFFSDVKGDHRLVLA AVETTVLVLIFAVSLLGNVCALVLVARRRR
 RGATACLVNLFCADLLFISAIPLVLA VRWTEAWLLGPVACHLLFYVMTLSGSVTILTLAAVSLERMVCI
 VHLQRGVRGPRRARAVLLALIWGYSAVAALPLCVFFRVVPQRLPGADQEISICTLIWPTIPGEISWDVS
 FVTLNFLVPLVIVISYSKILQITKASRKRLTVSLAYSESHQIRVSQQDFRLFRTLFLLMVSFFIMWSP
 IITILLILIQNFKQDLVIWPSLFFWVVAFTFANSALNPILYNMTCRNEWKKIFCCFWFPEKGAILTDT
 VKRNDLSIISG

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2126_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195755

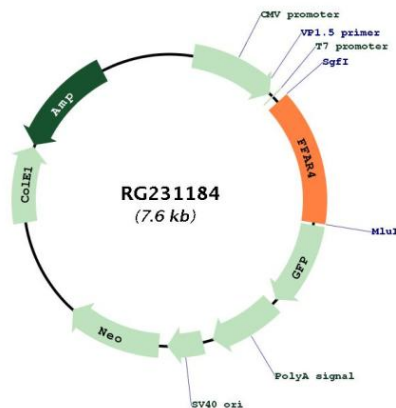
ORF Size: 1083 bp

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 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:	<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:	NM_001195755.2
RefSeq Size:	3609 bp
RefSeq ORF:	1086 bp
Locus ID:	338557
UniProt ID:	Q5NUL3
Cytogenetics:	10q23.33
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a G protein-coupled receptor (GPR) which belongs to the rhodopsin family of GPRs. The encoded protein functions as a receptor for free fatty acids, including omega-3, and participates in suppressing anti-inflammatory responses and insulin sensitizing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG231184