

Product datasheet for **RR202695**

Ffar1 (NM_153304) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ffar1 (NM_153304) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ffar1
Synonyms:	Gpr40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202695 representing NM_153304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTGCCCCACAGCTCTCCTTCGCTCTCTATGTATCAGCCTTGGCACTAGGCTTTCCATTGAACT
TGTTAGCCATCCGAGGTGCAGTGTCCCACGCGAACTGCGACTCACCCAGCTTGGTCTACACTCTCCA
TTTGGCCTGCTCTGACCTCCTACTGGCCATCACCTGCCCTGAAGGCTGTGGAGCCCTGGCTTCTGGG
GTCTGGCCCTGCCACTCCCCTTCTGCCAGTCTTTGCCCTGGCCACTTTGCGCCCTCTATGCAGGTG
GAGGCTTCTGGCTGCTCTCAGTGTGGCCGCTACCTGGGAGCTGCCTTCCCCTTTGGATACCAAGCCAT
CCGGAGGCCCTGCTATTCTGGGGTGTGTGTGGCTATATGGGCCCTTGTCTTTGCCACTGGGACTG
GCTCTTGGCTTGGAGGCTCCCAGAGGCTGGGTGGATAACACCACAGTTCCTGGGCATCAACATACCCG
TGAATGGCTCCCCGGTCTGCCTGGAAGCGTGGGATCCTGACTCTGCCCGCCCTGCCGACTCAGTTTCTC
GATTCTGCTCTTCTTCTGCCCTTGGTTATCACTGCTTTCTGCTATGTGGGCTGCCTCCGGGCCCTGGT
CACTCGGGCTGAGCCACAAACGGAAGCTCAGGGCAGCTTGGGTGGTGGAGGAGCACTTCTCACACTCC
TGCTCTGCCTGGGGCCCTATAATGCTTCCAATGTGGCTAGTTTCATAAACCCGGACTTAGAAGGCTCCTG
GAGGAAGTTGGGCTCATCACAGGAGCCTGGAGTGTGGTGTCAACCCACTGGTCACTGGCTACTTGGGA
ACAGGTCTGGACAGGGACAATATGTGTGACCAGGACTCCAAGAGGGACAATTGAGAAGACAGGTCTCTG
GACAGGGGACAATATGTGTGACCAGGACTCCAAGAGGGACAATTCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202695 representing NM_153304
Red=Cloning site Green=Tags(s)

MDLPPQLSFALYVSFAFALGFPLNLLAIRGAVSHAKLRLTPSLVYTLHLACSDLLLAITLPLKAVEALASG
 VWPLPLPFCPVFALAHFAPLYAGGGFLAAL SAGRYLGAAPFPGYQAIRRPCYSWVCVAIWALVLCGLGL
 ALGLEAPRGWVDNTTSSLGINIPVNGSPVCLEAWDPDSARPARLSFSILLFFLPLVITAFQYVGLRALV
 HSLGSHKRKLRAAWVAGGALLTLLLCLGPYNASNVASF INPDLEGSWRKLG LITGAWSVVLNPLVTGYLG
 TGPQGQTICVTRTPRGTIQKTGPGQGTICVTRTPRGTIQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1323_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153304

ORF Size: 900 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 Size: 905 bp

RefSeq ORF: 903 bp

Locus ID: 266607

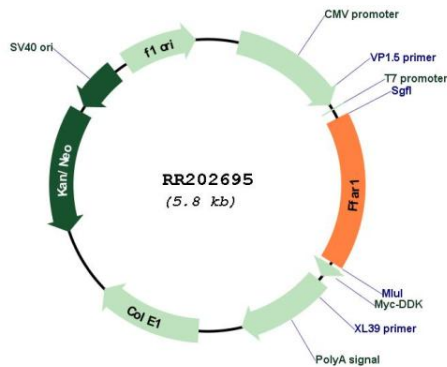
UniProt ID: [Q8K3T4](#)

Cytogenetics: 1q21

MW: 31.8 kDa

Gene Summary: orphan G-protein coupled receptor family that is activated by medium and long chain fatty acids; may mediate physiological changes in pancreatic islets [RGD, Feb 2006]

Product images:



Circular map for RR202695