

Product datasheet for RC217983

GPR43 (FFAR2) (NM_005306) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR43 (FFAR2) (NM_005306) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR43
Synonyms:	FFA2R; GPR43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217983 representing NM_005306 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCGGACTGGAAGAGCTCCTTGATCCTCATGGCTTACATCATCATCTTCTCACTGGCCTCCCTG
CCAACCTCCTGGCCCTGCGGGCCTTTGTGGGGCGGATCCGCCAGCCCCAGCCTGCACCTGTGCACATCCT
CCTGCTGAGCCTGACGCTGGCCGACCTCCTCTGCTGCTGCTGCCCTCAAGATCATCGAGGCTGCG
TCGAACCTCCGCTGGTACCTGCCAAGGTCGTCTGCGCCCTCACGAGTTTGGCTTCTACAGCAGCATCT
ACTGCAGCAGTGGCTCCTGGCGGCATCAGCATCGAGCGCTACCTGGGAGTGGCTTTCCCGTGCAGTA
CAAGCTCTCCCGCGCCCTCTGTATGGAGTGATTGCAGCTCTGGTGGCCTGGGTTATGTCCTTTGGTCA
TGACCATCGTGATCATCGTTCAATACTTGAACACGACTGAGCAGGTGAGAAGTGGAATGAAATTACCT
GCTACGAGAACTCACCGATAACCAAGTTGGACGTGGTGCTGCCCGTGGGCTGGAGCTGTGCCTGGTGCT
CTTCTTATCCCATGGCAGTACCATCTTCTGCTACTGGCGTTTTGTGTGGATCATGCTCTCCAGCCC
CTTGTGGGGGCCAGAGGCGCGCCGAGCCGTGGGGCTGGCTGTGGTGACGCTGCTCAATTTCTGGTGT
GCTTCGGACCTTACAACGTGTCCACCTGGTGGGTATCACCAGAGAAAAGCCCTGGTGGCGGTCAAT
AGCCGTGGTGTTCAGTTCACCTCAACGCCAGTCTGGACCCCTGCTCTTCTATTCTTCTTCAGTGGTG
CGCAGGGCATTGGGAGAGGGCTGCAGGTGCTGCGGAATCAGGGCTCCTCCCTGTTGGGACGCAGAGGCA
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CACTACAGAG

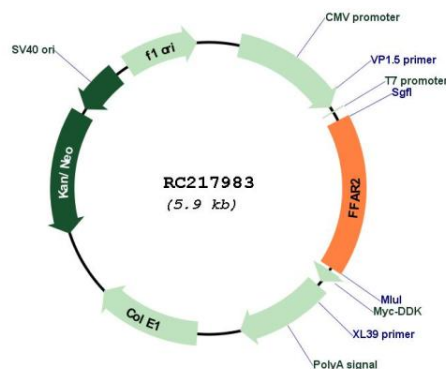
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



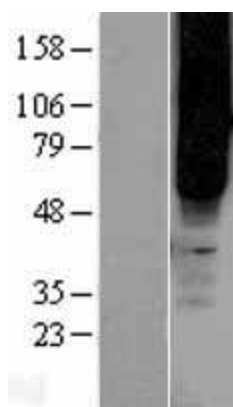
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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube 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_005306.3
RefSeq Size:	993 bp
RefSeq ORF:	993 bp
Locus ID:	2867
UniProt ID:	O15552
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	37 kDa
Gene Summary:	This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for short chain free fatty acids and may be involved in the inflammatory response and in regulating lipid plasma levels. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RC217983



Western blot validation of overexpression lysate (Cat# [LY401635]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217983 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).