

Product datasheet for RC209685

GPR21 (NM_005294) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR21 (NM_005294) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR21
Synonyms:	G protein-coupled receptor 21; OTTHUMP00000022075
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC209685 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCTCACCTTGGATGGTAATCAGAGCAGCCACCCTTTTGCCTCTTGGCATTGGCTATTTGGAAA
CTGTCAATTTTGCCTTTTGAAGTATTGATTATTGTCTTTCTAACTGTATTGATTATTTCTGGCAACAT
CATTGTGATTTTGTATTTCACTGTGCACCTTTGTTGAACCATCACACTACAAGTTATTTATCCAGACT
ATGGCATAATGCTGACCTTTTGTGGGGTGGAGCTGCGTGGTCCCTTCTTTATCACTCCTCCATCACCC
TTCCAGTAGAGGAGTCCCTTGACTTGCCAGATATTTGGTTTTGTAGTATCAGTTCTGAAGAGCGTCTCCAT
GGCTTCTCTGGCCTGTATCAGCATTGATAGATACATTGCCATTACTAAACCTTTAACCTATAATACTCTG
GTTACACCCTGGAGACTACGCCTGTGTATTTTCTGATTGGCTATACTCGACCCTGGTCTTCTGCCTT
CCTTTTCCACTGGGGCAAACCTGGATATCATGGAGATGTGTTTCAGTGGTGTGCGGAGTCTGGCACAC
CGACTCCTACTTCACCCTGTTTCATCGTGATGATGTTATATGCCCCAGCAGCCCTATTGTCTGCTTACC
TATTTCAACATCTTCCGCATCTGCCAACAGCACACAAAGGATATCAGCGAAAGGCAAGCCCGCTTCAGCA
GCCAGAGTGGGGAGACTGGGAAGTGCAGGCCTGCTGATAAGCGCTATGCCATGGTCTGTTTCGAAT
CACTAGTGTATTTACATCCTCTGGTTGCCATATATCATCTACTTCTGTTGGAAAGCTCCACTGGCCAC
AGCAACCCTTCGCATCCTTCTGACCCTGGCTTGCTATTAGTAACAGTTTCTGCAACTGTGTAATTT
ATAGTCTCTCCAACAGTGTATTCCAAGAGGACTAAAGCGCCTCTCAGGGGCTATGTGTACTTCTGTGC
AAGTCAGACTACAGCCAACGACCCTTACACAGTTAGAAGCAAAGGCCCTCTTAATGGATGTCATATCTG

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209685 protein sequence
 Red=Cloning site Green=Tags(s)

MNSTLDGNQSSHPFCLLAFGYLETVNFCLLEVLIIIVFLTVLIISGNIIVIFVFHCAPLLNHHTTSYFIQT
 MAYADLFVGVSCVPSLSLLHHPLPVEESLTCQIFGFVSVLKSVMASLACISIDRYIAITKPLTYNTL
 VTPWRLRLCIFLIWLYSTLVFLPSFFHWGKPGYHGDVFWCAESWHTDSYFTLFIVMMLYAPAALIVCFT
 YFNIFRICQHTKDISERQARFSSQSGETGEVQACPKRYAMVLFRITSVFYIILWLPYIIYFLLESSTGH
 SNRFASFLTTLWLAISNSFCNCVYISLSNSYVQRGLKRLSGAMCTSCASQTTANDPYTVRSKGPLNGCHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

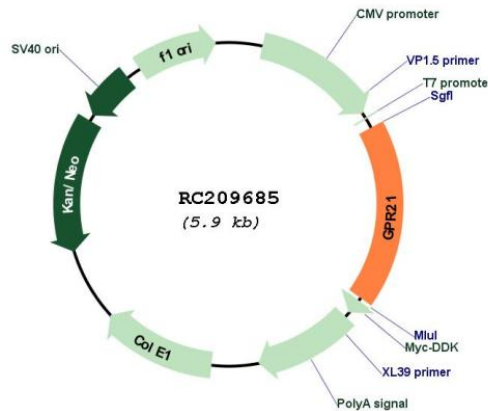
Chromatograms: https://cdn.origene.com/chromatograms/mk6364_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_005294

ORF Size:	1049 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.
RefSeq:	NM_005294.1 , NM_005294.2 , NP_005285.1
RefSeq Size:	1595 bp
RefSeq ORF:	1050 bp
Locus ID:	2844
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	39.5 kDa
Gene Summary:	This gene encodes a member of the G-protein-coupled receptor 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. The encoded protein activates a Gq signal transduction pathway which mobilizes calcium. [provided by RefSeq, Nov 2012]