

Product datasheet for **RC237844**

GPR6 (NM_001286099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR6 (NM_001286099) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237844 representing NM_001286099 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTCTAGCTTGGTGCCTCGGGGTGCAAATCCGGCCGCGATGAACGCGAGCGCCGCTCGCTCA
ACGACTCCCAGGTGGTGGTAGTGGCGGCCGAAGGAGCGGCGCGGCCACAGCAGCAGGGGGGCCGA
CAGGGCGAATGGGGACCCCTGCTGCGGCGCTCTAGGAGCCGCGCGGAGCTAATGGGTCTCTGGAG
CTGTCTCGCAGCTGTCGGCTGGGCCACCGGACTCCTGCTGCCAGCGGTGAATCCGTGGGACGTCTCC
TGTGCGTGTGGGGACAGTGATCGCTGGAGAAAACCGCTGGTGGTGGCGCTCATCGCTCCACTCCGGC
GCTGCGCAGCCCATGTTCTGTGCTGGTAGGCAGCCTGGCCACCGCTGACCTGTTGGCGGGCTGTGCCTC
ATCTTGCACTTTGTGTTCCAGTACTTGGTGCCTCGGAGACTGTGAGTCTGCTCACGGTGGGCTTCTCG
TGGCTCCTTCGCCGCTCTGTCAGCAGCCTGCTGGCCATTACGGTGGACCGCTACCTGTCCCTGTATAA
CGCGCTCACCTATTACTCGCGCCGACCCTGTTGGCGTGCACCTCCTGTTGCCCCACTTGGACCGTG
TCCCTAGGCTGGGGCTGCTGCCGTGCTGGGTGGAAGTGCCTGGCAGAGCGCGCCGCTGACGCGTGG
TGGCCCGCTGGCGCGCAGCCACGTGGCTGCTCTCCCGCCCTTCTTCATGGTCTTCCGATCATGCT
GCACCTGTACGTGCGCATCTGCCAGGTGGTCTGGCGCCACGCGCACAGATCGCGCTGCAGCAGCACTGC
CTGGCGCCACCCATCTCGCTGCCACCAGAAAGGGTGTGGGTACTGGTGTGGTGGTGGGCACTTTCG
GCGCCAGCTGGCTGCCCTTCGCCATCTATTGCGTGGTGGGCGAGCCATGAGGACCCGGCGGTCTACACTTA
CGCCACCTGTGCCCGCACCTACAATCCATGATCAATCCCATCATCTATGCCCTCCGCAACCAGGAG
ATCCAGCGCGCCTGTGGCTCCTGCTGTGGCTGTTCCAGTCCAAAGTGCCCTTTCGTTCCAGGTCTC
CCAGCGAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237844 representing NM_001286099
 Red=Cloning site Green=Tags(s)

MTLLAWCTRGANPAAMNAAASLNDLSQVVVVAEAAAAATAAGGPDTGEWGPPAAAAALGAGGGANGSLE
 LSSQLSAGPPGLLLPAVNPWDVLLCVSGTVIAGENALVVALIASTPALRTPMFLVGLSATADLLAGCGL
 ILHFVFQYLVPSSETVSLLTVGFLVASFAASVSSLLAITVDRYLSLYNALTYYSRRTLLGVHLLAATWTV
 SLGLGLLPVLGNLAERAACSVVRPLARSHVALLSAAFFMVFGIMLHLVYRICQVVRHAHQIALQHC
 LAPPHLAATRKGVTLAVVLGTFGASWLPFAIYCVVGSHPDPAVYTYATLLPATYNSMINPIIYAFRNQE
 IQRALWLLLCGCFQSKVPPFRSRSPSEV

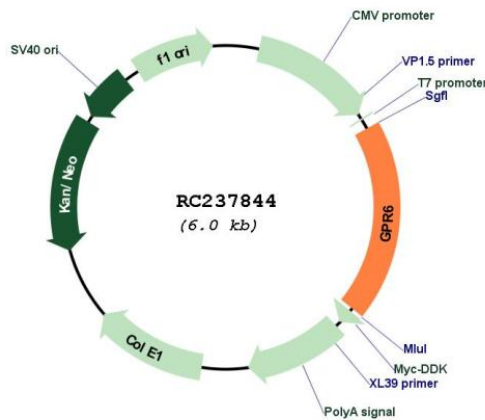
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286099

ORF Size:	1131 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:	<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_001286099.1 , NP_001273028.1
RefSeq Size:	1966 bp
RefSeq ORF:	1134 bp
Locus ID:	2830
UniProt ID:	P46095
Cytogenetics:	6q21
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	39.9 kDa
Gene Summary:	Orphan receptor with constitutive G(s) signaling activity that activate cyclic AMP. Promotes neurite outgrowth and blocks myelin inhibition in neurons (By similarity).[UniProtKB/Swiss-Prot Function]