

Product datasheet for **RG237844**

GPR6 (NM_001286099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR6 (NM_001286099) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237844 representing NM_001286099. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACACTCCTAGCTTGGTGCACCTCGGGGTGCAAATCCGGCCGCGATGAACGCGAGCGCCGCCTCGCTC
AACGACTCCCAGGTGGTGGTAGTGGCGGCCGAAGGAGCGCGCGCGCCACAGCAGCAGGGGGGCCG
GACACGGGCGAATGGGGACCCCTGCTGCGCGGCTCTAGGAGCCGGCGCGGAGCTAATGGGTCTCTG
GAGCTGTCCTCGCAGCTGTCGGCTGGGCCACCGGACTCCTGCTGCCAGCGGTGAATCCGTGGGACGTG
CTCCTGTGCGTGTGGGGACAGTGCCTGGAGAAAACGCGCTGGTGGTGGCGCTCATCGCTCCACT
CCGGCGTGCACGCCCATGTTCTGTGGTAGGCAGCCTGGCCACCGTGACCTGTTGGCGGGCTGT
GGCCTCATCTTGAACCTTTGTGTTCCAGTACTTGGTGCCCTCGGAGACTGTGAGTCTGCTCACGGTGGC
TTCTCGTGGCCTCCTTCGCCGCTCTGTGAGCAGCCTGCTGGCCATTACGGTGGACCGCTACCTGTCC
CTGTATAACGCGCTCACCTATTACTCGCGCCGACCCCTGTTGGCGTGCACCTCCTGCTTCCCGCCACT
TGGACCGTGTCCCTAGGCCTGGGGCTGCTGCCCGTGTGGGCTGGAAGTGCCTGGCAGAGCGCGCCG
TGCAGCGTGGTGCGCCGCTGGCGCGCAGCCACGTGGCTCTGCTCTCCGCCGCTTCTTCATGGTCTTC
GGCATCATGCTGCACCTGTACGTGCGCATCTGCCAGTGGTCTGGCGCCACGCGCACCAGATCGCGCTG
CAGCAGCACTGCCTGGCGCCACCCATCTCGTGCCACCAGAAAGGGTGTGGGTACTGGCTGTGGTG
CTGGGCACCTTTCGGCGCCAGCTGGCTGCCCTTCGCCATCTATTGGTGGTGGGCAGCCATGAGGACCCG
GCGGTCTACACTTACGCCACCCTGCTGCCCGCCACCTACAACCTCATGATCAATCCCATCATCTATGCC
TTCCGCAACCAGGAGATCCAGCGCGCCCTGTGGCTCCTGCTCTGTGGCTGTTCCAGTCCAAAGTGCC
TTTCGTTCCAGGTCTCCAGCGAGGTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



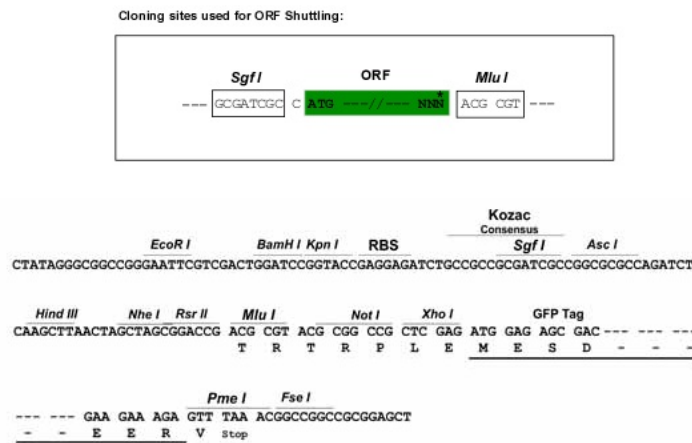
View online »

Protein Sequence: >Peptide sequence encoded by RG237844
 Blue=ORF Red=Cloning site Green=Tag(s)

MTLLAWCTRGANPAAMNLSAASLNDSQVVVVAEGAAAAATAAGGPDTEWGPAAAAALGAGGGANGSL
 ELSSQLSAGPPGLLLPAVNPWDVLLCVSGTVIAGENALVVALIASTPALRTPMFVLVGLATADLLAGC
 GLILHFVQYLVPSETVSLITVGFLVASFAASVSLLAITVDRYLSLYNALTYYSRRTLLGVHLLAAT
 WTVSLGLGLLPVLGWNCLAERAACSVRPLARSHVALLSAAFFMVFGIMLHLYVRIQVVRHAHQIAL
 QQHCLAPPHLAATRKGVGT LAVVLGTFGASWLPFAIYCVVGSHPEDPAVYTYATLLPATYNSMINPIYA
 FRNQEIQRALWLLLGCGFQSKVPFRSRPSEV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

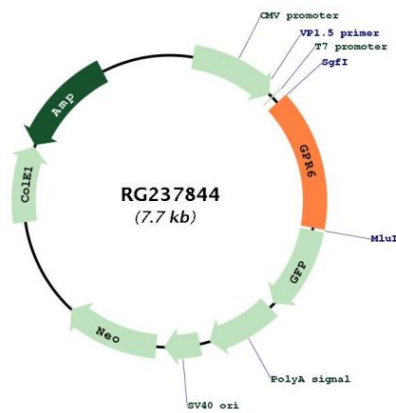
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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]

Product images:



Circular map for RG237844