

Product datasheet for **RG239691**

GPRC6A (NM_001286355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC6A (NM_001286355) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPRC6A
Synonyms:	bA86F4.3; GPCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239691 representing NM_001286355.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCATTCTTAATTATACTAATTACCTGCTTTGTGATTATTCTTGCTACTTTCACAGCCTTGCCAGACC
CCTGATGACTTTGTGGCTGCCACTTCTCCGGGACATATCATAATTGGAGGTTTGTGCTATTTCATGAA
AAAATGTTGTCCTCAGAAGACTCTCCAGACGACCACAAATCCAGGAGTGTGTTGGCTTTGAAATATCA
GTTTTTCTTCAAACCTCTTGCCATGATACACAGCATTGAGATGATCAACAATTCAACACTCTTACCTGGA
GTCAAACCTGGGGTATGAAATCTATGACACTTGTACAGAAGTCACAGTGGCAATGGCAGCCACTCTGAGG
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GCACAAGCATTTGCACACATATGCAGGGAAAATGCCACAAGTGTATCTAAAACCTTGCCTCGAAAAAGA
ATGTCAAGTATA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG239691
 Blue=ORF Red=Cloning site Green=Tag(s)

MAFLIILITCFVILATSQPCQTPDDFVAATSPGHIIIGGLFAIHEKMLSSEDSPPRRPQIQECVGF EIS
 VFLQTLAMIHSIEMINNSTLLPGVKLGYEIYDTCTEVTVAMAATLRFLSKFNC SRETVEFKDYSSYMP
 RVKAVIGSGYSEITMAVSRMLNLQLMPQVGYESTAEILSDKIRFPSFLRTVP SDFHQIKAMAHLIQKSG
 WNWIGIITDDDDYGR LALNTFIIQAEANNVCI AFKEVLP AFLSDNTIEVRINRTLKKIILEAQVNVIVV
 FLRQFHVFDL FNKAIEMNINKMWIASDNWSTATKITTI PNVKKIGKVVGFAFR RGNISSFHSFLQNLHL
 LPSDSHKLLHEYAMHLSACAYVKD TDL SQCIFNHSQRTLAYKANKAIERNFVMRNDFLWDYAEPGLIHS
 IQLAVFALGYAIRDL CQARDCQNPNAFQPWEQIQSKCSKECSPGQMKTTRS QHICCYEQNCPENHYT
 NQTDMPHCLLCNNKTHWAPVRSTMC FEKEVEYLNWNDSLAILLLILSLLGIIFVLVVGII FTRNLNTPV
 VKSSGGLRVCYVILLCHFLNFASTSFFIGEPQDF TCKTRQTMFGVSFTLCISCILTKSLKILLAFS FDP
 KLQKFLKCLYRPILII FTCTGIQVVICTLWLIFAAPTVEVNVSLPRVII ECEEGSILAFGTM LGYIAI
 LAFICFIFAFKGYENYNEAKFITFGMLIYFI AWITFIPIYATTFGKYVPAVEIIVILISNYGILYCTF
 IPKCYVIICKQEINTKSAFLKMIYSYSSHSVSSIALSPASLDSMSGNVMTNPSSSGKSATWQKSKDLQ
 AQAFAHICRENATSVSKTLPRKRMSI
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVI GDFKVMGTGFPEP
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001286355

ORF Size: 2565 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).

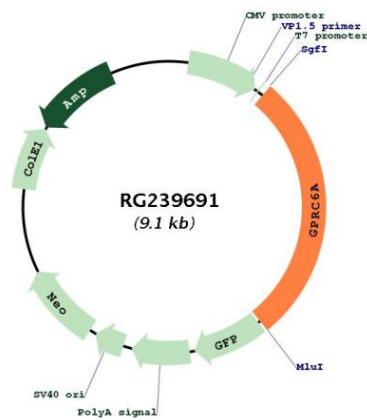
RefSeq: [NM_001286355.1](#), [NP_001273284.1](#)

RefSeq Size: 2669 bp

RefSeq ORF: 2568 bp

Locus ID: 222545
UniProt ID: [Q5T6X5](#)
Cytogenetics: 6q22.1
Protein Families: Druggable Genome, Transmembrane
MW: 97 kDa
Gene Summary: Members of family C of the G protein-coupled receptor (GPCR) superfamily, such as GPRC6A, are characterized by an evolutionarily conserved amino acid-sensing motif linked to an intramembraneous 7-transmembrane loop region. Several members of GPCR family C, including GPRC6A, also have a long N-terminal domain (summary by Pi et al., 2005 [PubMed 16199532]).[supplied by OMIM, Nov 2010]

Product images:



Circular map for RG239691