

Product datasheet for **RG239482**

GPRC6A (NM_001286354) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRC6A (NM_001286354) 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:

>RG239482 representing NM_001286354.
 Blue=ORF Red=Cloning site Green=Tag(s)

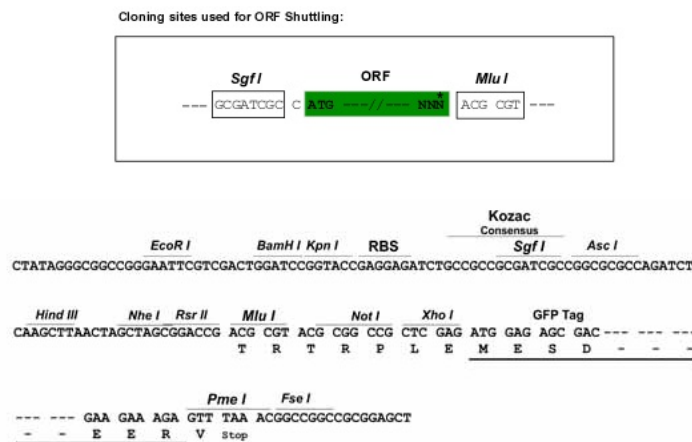
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239482
 Blue=ORF Red=Cloning site Green=Tag(s)

MAFLIILITCFVILATSQPCQTPDDFVAATSPGHIIIGGLFAIHEKMLSSEDSPPRPQIQECVGF EIS
 VFLQTLAMIHSIEMINNSTLLPGVKLGYEIYDTCTEVTVAMAATLRFLSKFNC SRETVEFKCDYSSYMP
 RVKAVIGSGYSEITMAVSRMLNLQLMPQVGYESTAEILSDKIRFPSFLRTVP SDFHQIKAMAHLIQKSG
 WNWIGIITDDDDYGR LALNTFFIIQAEANNVCI AFKEVLP AFLSDNTIEVRINRTLK KIILEAQLLGV LK
 NVTF TDG WNSFHFD A HGLNTGYD VV L WKEINGHMTVTKMAEYDLQNDVFIIPDQETKNEFRNLKQIQS
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 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001286354

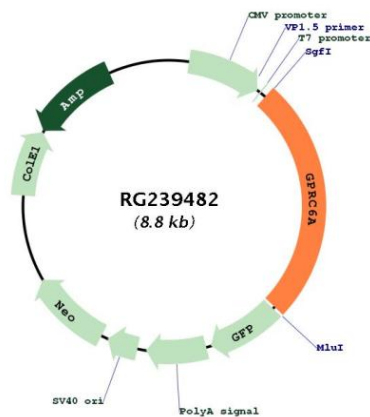
ORF Size: 2253 bp

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_001286354.1 , NP_001273283.1
RefSeq Size:	2357 bp
RefSeq ORF:	2256 bp
Locus ID:	222545
UniProt ID:	Q5T6X5
Cytogenetics:	6q22.1
Protein Families:	Druggable Genome, Transmembrane
MW:	85 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 intramembranous 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 RG239482