

Product datasheet for **RG237860**

G2A (GPR132) (NM_001278694) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G2A (GPR132) (NM_001278694) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR132
Synonyms:	G2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237860 representing NM_001278694. Blue=ORF Red=Cloning site Green=Tag(s)

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GAGCTGCAGTCGCCCGTGGCCCTTGACAGCCACTACACCTTCTCCAGGCCGTCACCCACCAGGGTCA
CCATGCCCTGCAAGAGGCTGATTGAGGAGTCCTGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237860
 Blue=ORF Red=Cloning site Green=Tag(s)

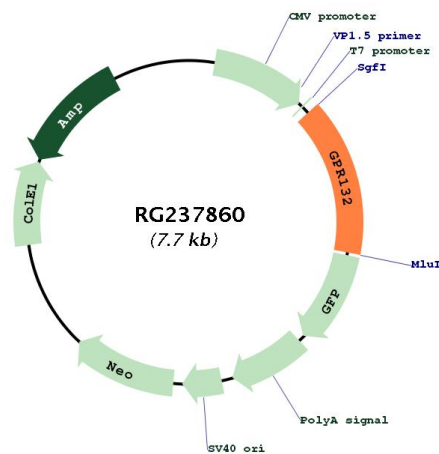
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 DRFVAVVYALESRGRRRRRTAILISACIFILVGI VHYVPVFQTEDKETCFDMLQMSRIAGYYYYARFTVG
 FAIPLSIIAFTNHRIFRSIKQSMGLSAAQKAKVKHSAIAVVVIFLVCFAPYHLVLLVKAAAF SYYR GDR
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TRTRPLEME SDE SGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001278694
ORF Size:	1140 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_001278694.2
RefSeq Size:	3878 bp
RefSeq ORF:	1143 bp
Locus ID:	29933
UniProt ID:	Q9UNW8
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	42.5 kDa
Gene Summary:	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein was reported to be a receptor for lysophosphatidylcholine action, but PubMedID: 15653487 retracts this finding and instead suggests this protein to be an effector of lysophosphatidylcholine action. This protein may have proton-sensing activity and may be a receptor for oxidized free fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]