

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: | G2A |
| 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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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCCCAATGCTACTGAAAAACGGTTACAATGGAAACGCCACCCCAAGTGACCACCCTGCCCCGTGG
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GAGCTGCAGTCGCCCGTGGCCCTTGACAGCCACTACACCTTCTCCAGGCCGTGCACCCACCAGGGTCA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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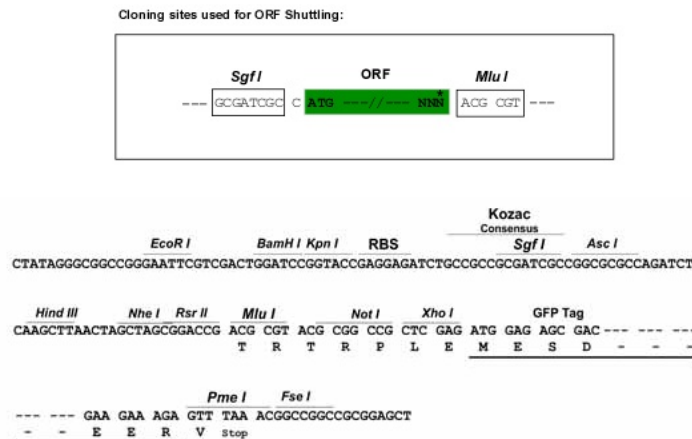
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237860
 Blue=ORF Red=Cloning site Green=Tag(s)

MCPMLLKNGYNGNATPVTTTAPWASLGLSAKTCNNVSFEESRIVLVVVYSAVCTLGVPANCLTAWLALL
 QVLQGNVLAVYLLCLALCELLYTGTLPWVIYIRNQHRWTLGLLACKVTAYIFFCNIYVSILFLCCISC
 DRFVAVVYALESRGRRRRRTAILISACIFILVGIHVYPVFQTEDKETCFDMLQMSRIAGYYYARFTVG
 FAIPLSIIAFTNHRIFRSIKQSMGLSAAQKAKVKHSAIAVVVIFLVCFAPYHLVLLVKAAAFSYRGRD
 NAMCGLEERLYTASVFLCLSTVNGVADPIIYVLATDHSRQEVSRIRHKGWKEWSMKTDVTRLTHSRDTE
 ELQSPVALADHYTFSRPVHPPGSPCPAKRLIEESC
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

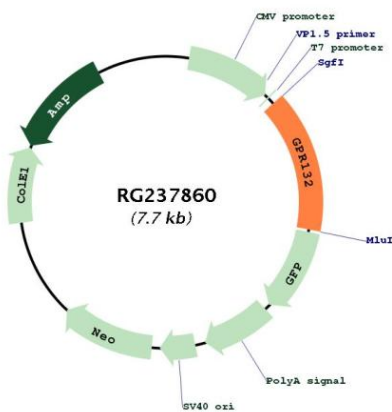
Cytogenetics: 14q32.33

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]

Product images:



Circular map for RG237860