

## Product datasheet for **RC237860**

### 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:	Myc-DDK
Symbol:	G2A
Synonyms:	G2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237860 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGCCCAATGCTACTGAAAAACGGTTACAATGGAAACGCCACCCAGTGACCACCACTGCCCGTGGG  
CCTCCCTGGGCCCTCCGCCAAGACCTGCAACAACGTGTCCTTCGAAGAGAGCAGGATAGTCCTGGTCGT  
GGTGTACAGCGCGGTGTGCACGCTGGGGGTGCCGCAACTGCCTGACTGCGTGGCTGGCGCTGCTGCAG  
GTACTGCAGGGCAACGTGCTGGCCGTCTACCTGCTCTGCCTGGCACTCTGCGAGCTGCTGTACACAGGCA  
CGCTGCCACTCTGGTCACTATATCCGCAACCAGCACCCTGGACCCTAGGCCTGCTGGCCTGCAAGGT  
GACCGCCTACATCTTCTTCTGCAACATCTACGTACGATCCTCTTCTGTGCTGCATCTCCTGCGACCGC  
TTCGTGGCCGTGGTGTACGCGCTGGAGAGTCGGGGCCGCCCGCCGGAGGACCGCCATCCTCATCTCCG  
CCTGCATCTTATCCTCGTGGGATCGTTCACTACCCGGTGTCCAGACGGAAGACAAGGAGACCTGCTT  
TGACATGCTGCAGATGGACAGCAGGATTGCCGGTACTACTACGCCAGGTTACCGTTGGCTTTGCCATC  
CCTCTCTCCATCATCGCCTTACCAACCACCGGATTTTCAGGAGCATCAAGCAGAGCATGGGCTTAAGCG  
CTGCCAGAAGGCCAAGGTGAAGCACTCGGCCATCGCGGTGGTTGTCATCTTCTAGTCTGCTTCGCCCC  
GTACCACCTGGTTCTCCTCGTCAAAGCCGCTGCCTTTTCTACTACAGAGGAGACAGGAACGCCATGTGC  
GGCTTGGAGGAAAGGCTGTACACAGCCTCTGTGGTGTTCGTGCTGTCCACGGTGAACGGCGTGGCTG  
ACCCATTATCTACGTGCTGGCCACGGACCATCCCGCCAAGAAGTGTCCAGAATCCATAAGGGGTGGAA  
AGAGTGGTCCATGAAGACAGACGTACCCAGGCTACCCACAGCAGGGACACCGAGGAGCTGCAGTCGCC  
GTGGCCCTTGAGACCACTACACCTTCTCCAGGCCGTGCACCCACCAGGCTACCATGCCTGCAAAGA  
GGCTGATTGAGGAGTCCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001278694.2](#)

**RefSeq Size:** 3878 bp

**RefSeq ORF:** 1143 bp

**Locus ID:** 29933

**UniProt ID:** [Q9UNW8](#)

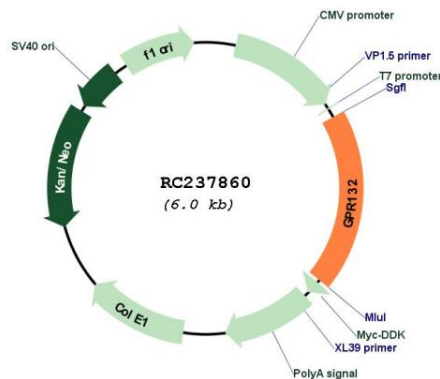
**Cytogenetics:** 14q32.33

**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 RC237860