

Product datasheet for **RG209233**

GPR172B (SLC52A1) (NM_017986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR172B (SLC52A1) (NM_017986) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR172B
Synonyms:	GPCR42; GPR172B; hRFT1; huPAR-2; PAR2; RBFVD; RFT1; RFVT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209233 representing NM_017986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCACCCACGCTGGGCCGTCTGGTGTGACCCACCTGCTGGTGGCCCTTTTGGCATGGGCTCCT
 GGGCTGCTGTGAACGGGATCTGGGTGGAGCTGCCTGTGGTGGTAAAAGACCTTCCAGAGGGTTGGAGCCT
 CCCCTCATACCTCTCTGTGGTTGTGGCGCTGGGAAACCTGGGTCTGCTGGTGGTACCCTGTGGAGCGG
 CTGGCCCCGGCAAGGGCGAGCAGGTCCCCATCCAGGTGGTACAGGTGCTGAGTGTAGTGGGCACAGCCC
 TGCTGGCCCCCTGTGGCACCACGTGGCCCCAGTGGCAGGGCAGCTCCACTCTGTGGCCTTCTAACTCT
 GGCCTTGGTGTGGCAATGGCCTGTTGTACCTAATGTCACCTTCTGCCCTTCTGAGCCACCTGCCA
 CCTCCTTTCTTACGGTCTTTCTTCTGGGTGAGGTCTCAGTGCCTACTCCCCTGTGTGCTGGCCCTAG
 TGCAAGGTGTGGCCGCCTCGAGTGCCACCAGCGCCACCAATGGCACCTCTGGCCTCCCCTCGACTT
 CCCTGAGCGTTTTCTGCCAGCACCTTCTTCTGGGCACTGACTGCCCTTCTGGTCACTTCAGCTGCCGC
 TTCCGGGGTCTCCTGTTGCTGTTGCCATCACTACCCTCTGTAACCACAGGGGGCTCAGGGCTGAACTTC
 AACTGGGATCCCCAGGAGCAGAGGAGGAAGAGAAGGAGGAAGAAGAGGCTTTGCCATTGCAGGAGCCACC
 GAGCCAGGCAGCAGGCACCATCCCTGGCCAGACCCTGAGGTCCATCAGCTGTTCTCAGCCCATGGTGCC
 TTCTGCTGGGCCTGATGGCCTTACCAGTGCCGTGACCAATGGCGTGTGCCTTCTGTGACAGACTTTT
 CCTGTTTGGCCTATGGGCGCCTGGCCTACCACCTGGCTGTGGTGTGGCAGTGCCGCCAACCCCTTGC
 CTGCTTCTGGCCATGGGCGTGTGTGCAGTCCCTGGCAGGGCTGGTGGTCTTCTCTGCTGGGCATG
 CTCTTTGGGCTACCTGATGGCACTGGCAATCCTGAGCCCTGCCACCCTGGTGGGCACCACTGCAG
 GGGTGGTCTTGTGGTGTGCTGCTGGTGTGCTGTGTGTCTCATATGTGAAGGTGGCTGCAAG
 CTCCTGCTGCATGGTGGGGTGGCCGGCATTGCTGGCAGCTGGTGTGGCCATCCAAGTGGGCTCCCTG
 CTGGTGGCGGTGCCATGTTCCCTCCACCAGCATCTACCACGTGTTTCAAAGCAGAAAGGACTGTGTAG
 ACCCTGTGGCCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209233 representing NM_017986
 Red=Cloning site Green=Tags(s)

MAAPT LGRLVL THLLVALFGMGSWAAVNGI WVLPVVVKDLPEGWSLPSYLSVVVALGNLGLLVVTLWRR
 LAPGKGEQVPIQVVQVLSVVG TALLAPLWHHVAPVAGQLHSVAFLLALVLMACCTSNVTFLPFLSHLP
 PPFLRSFFLGGQLSALLPCVLALVQGVGRLECPPAPTNGTSGPPLDFPERFPASTFFWALTALLVTSAAA
 FRGLLLLLPSLPSVTTGGSGPELQLGSPGAEKEKEKEEALPLQEPPSQAAGTIPGPDPEVHQLFSAHGA
 FLLGLMAFTSAVTNGVLPVQSF SCLPYGRLAYHLAVVLGSAANPLACFLAMGVLCRSLAGLVGLSLLGM
 LFGAYLMALAILSPCPPLVGT TAGVVLVLSWVLCVFSYVKVAASSLLHGGGRPALLAAGVAIQVGS
 LGAGAMFPPTSIYHVFQSRKDCVPCGP

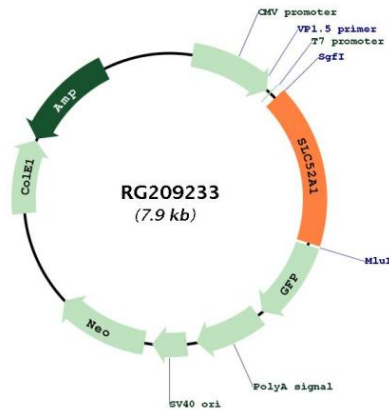
TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

RefSeq Size: 2305 bp
RefSeq ORF: 1347 bp
Locus ID: 55065
UniProt ID: [Q9NWF4](#)
Cytogenetics: 17p13.2
Protein Families: Druggable Genome, GPCR, Transmembrane
Gene Summary: Biological redox reactions require electron donors and acceptor. Vitamin B2 is the source for the flavin in flavin adenine dinucleotide (FAD) and flavin mononucleotide (FMN) which are common redox reagents. This gene encodes a member of the riboflavin (vitamin B2) transporter family. Haploinsufficiency of this protein can cause maternal riboflavin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG209233