

Product datasheet for SC113833

GPR172B (SLC52A1) (NM_017986) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR172B (SLC52A1) (NM_017986) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR172B
Synonyms:	GPCR42; GPR172B; hRFT1; huPAR-2; PAR2; RBFVD; RFT1; RFVT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC113833 representing NM_017986. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCACCCACGCTGGGCCGTCTGGTCTGACCCACCTGCTGGTGGCCCTTTTGGCATGGGCTCC
TGGGCTGCTGTGAACGGGATCTGGGTGGAGCTGCCTGTGGTGGTAAAAGACCTTCCAGAGGGTTGGAGC
CTCCCTCATACCTCTCTGTGGTGTGGCGCTGGGAACTGGGTCTGCTGGTGGTACCCTGTGGAGG
CGGCTGGCCCGGCAAGGGCGAGCAGGTCCCATCCAGGTGGTACAGGTGCTGAGTGTAGTGGGCACA
GCCCTGTGGCCCTCTGTGGCACCACGTGGCCCACTGGCAGGGCAGCTCCACTCTGTGGCCTTCTA
ACTCTGGCCTTGGTGTGGCAATGGCCTGTTGTACCTCTAATGTCACCTTCTGCCCCTTCTGAGCCAC
CTGCCACCTCCTTTCTTACGGTCTTTCTTCTGGGTGAGGGTCTCAGTGCCTACTCCCCTGTGTGCTG
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GCCAACCCCTTGCTGCTTCTGGCCATGGGCGTGTGTGCAAGTCCCTGGCAGGGCTGGTTGGTCTT
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AGCAGAAAGGACTGTGTAGACCCTGTGGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Chromatograms:	https://cdn.origene.com/chromatograms/ja2632_a02.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017986
Insert Size:	1347 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_017986.2
RefSeq Size:	2305 bp
RefSeq ORF:	1347 bp
Locus ID:	55065
UniProt ID:	Q9NWF4
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	46.4 kDa

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.