

Product datasheet for **SC317089**

GPR172B (SLC52A1) (NM_001104577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR172B (SLC52A1) (NM_001104577) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC52A1
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:	>SC317089 representing NM_001104577. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCACCCACGCTGGGCCGTCTGGTCTGACCCACCTGCTGGTGGCCCTTTTGGCATGGGCTCC
TGGGCTGCTGTGAACGGGATCTGGTGGAGCTGCCTGTGGTGGTAAAAGACCTTCCAGAGGGTTGGAGC
CTCCCCTCATACCTCTCTGTGGTGTGGCGCTGGGAACTGGGTCTGCTGGTGGTGACCCTGTGGAGG
CAGCTGGCCCCGGCAAGGGCGAGCAGGTCATCCAGGTGGTACAGGTGCTGAGTGTAGTGGGCACA
GCCCTGTGGCCCTCTGTGGCACCACGTGGCCCACTGGCAGGGCAGCTCCACTCTGTGGCCTTCTA
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CTGCCACCTCCTTTCTTACGGTCTTTCTTCTGGGTGAGGGTCTCAGTGCCTACTCCCCTGTGTGCTG
GCCCTAGTGCAAGGTGTGGGCCGCTCGAGTGCCACCAGCGCCACCAATGGCACCTCTGGGCCCTCCC
CTCGACTTCCCTGAGCGTTTTCTGCCAGCACCTTCTTCTGGGCACTGACTGCCCTTCTGGTCACTTCA
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GCCATGGTGCCTTCTGCTGGGCTGATGGCCTTACCAGTGCCGTGACCAATGGCGTGTGCTGCTTCT
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GCCAACCCCTTGCTGCTTCTGGCCATGGGCGTGTGTGCAAGTCCCTGGCAGGGCTGGTTGGTCTT
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GTGAAGGTGGCTGCAAGCTCCCTGCTGCATGGTGGGGTGGCCGCGCATTGCTGGCAGCTGGTGGCC
ATCCAAGTGGGCTCCCTGCTTGGTGGCGTCCATGTTCCCTCCCACCAGCATCTACCACGTGTTCAA
AGCAGAAAGGACTGTGTAGACCCTGTGGCCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_001104577
Insert Size:	1347 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001104577.1
RefSeq Size:	2429 bp
RefSeq ORF:	1347 bp
Locus ID:	55065
UniProt ID:	Q9NWF4
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	46.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>