

Product datasheet for **SC307359**

GPR136 (OPN5) (NM_181744) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GPR136 (OPN5) (NM_181744) Human Untagged Clone
Tag: Tag Free
Symbol: GPR136
Synonyms: GPR136; GRP136; PGR12; TMEM13
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_181744 edited
TTCAGATCCCTCGTGGTTCGAGAACAGAATGGCGTTAAATCACACTGCCCTGCCCTCAGGA
CGAGCGCTGCCCATACCTTCGAGATGGGGATCCTTTTGTCCAAACTTTCTTGGGA
AGCGGATTTAGTGGCTGGCTTTTACCTAACAAATAATTGGGATTCTGTCCACATTTGGAAA
TGGATATGTCCTTTACATGTCTTAGACGAAAGAAGAAGCTGAGACCCGCTGAAATAAT
GACTATCAATTTAGCAGTCTGTGATCTGGGGATTTAGTTGTAGGCAAGCCGTTACCAT
CATCTCTGCTTTTGTACCCGCTGGGTGTTTGGCTGGATCGGCTGCCGCTGGTATGGATG
GGCTGGATTTTCTTGGCTGTGGAAGCCTTATCACCATGACTGCTGTCAGCCTGGATCG
ATATTTGAAAATCTGCTATTTATCTTATGGGGTTGGCTGAAAAGAAAGCAGCCTACAT
CTGCCTGGCAGCCATCTGGCCATGCTTCCTTCTGGACCACCATGCCCTGGTAGGTCT
GGGGACTACGTACCTGAGCCCTCGGAACCTCGTGCACCCTGGACTGGTGGCTGGCCCA
GGCCTCGGTAGGGGGCCAGGTTTTATCCTGAACATCCTCTTCTGCTGCTTGTCTCC
AACGGCTGTGATCGTGTCTCCTACGTAAGATCATTGCCAAGGTTAAGTCTCTTCCAA
AGAAGTAGCTCATTTGACAGTCGGATCCATAGCAGCCATGTGCTGGAAATGAAACTGAC
AAAGGTAGCGATGTTGATTTGTGCTGGATTCCTGATTGCCTGGATTCTTATGCAGTGGT
GTCTGTGTGGTCAGCTTTTGAAGGCCAGACTCCATCCCATACAGCTCTCTGTGGTGCC
AACCTACTTGCAAAATCTGCAGCGATGTACAATCCCATCATTACCAAGTTATTGATTA
CAATTTGCCTGTTGCCAACTGGTGGTTTGAAGCAACCAAGAAGAAGTCTCTGGAAGG
CTTCAGGCTGCACCCGTAACCACAGTCAGGAAGTCTTCTGCTGTGCTGGAAATTCATGA
AGAGTGGGAATAACAAATGTTCTGGTTGTGAAGAGTGCACTGAAGTGCTTACACGGCGT
CTGGCATATGCAGAGAAATTAGCTTACAATGTTATTTTTCTGACTTCTCGCCTCCACTC
CACTTACCCTGTGAGAAAAATAATTCACAAGGAATATCAAAACAATGATGCACCCTAG
GAGTATCCAAGTATCTTAACTGAGTTATCTCATTCTGGTATAGTGGCAGAGTTATAACTA
AAGAGTGCAGAAACCCACGCTTAAACATCCTGCAGTGCACACCTCGGTCTCGTCAGTA
AGGACTTCACTTCTTCTGAACTGGGGCTTGTGAAAGCTGGCCTGAAAAGCCTG

Restriction Sites: Please inquire



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ACCN:	NM_181744
Insert Size:	1500 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:	It is not a variant.
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_181744.2 , NP_859528.1
RefSeq Size:	3473 bp
RefSeq ORF:	1065 bp
Locus ID:	221391
UniProt ID:	Q6U736
Cytogenetics:	6p12.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This opsin gene is expressed in the eye, brain, testes, and spinal cord. This gene belongs to the seven-exon subfamily of mammalian opsin genes that includes peropsin (RRH) and retinal G protein coupled receptor (RGR). Like these other seven-exon opsin genes, this family member may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript but encodes the supported protein.</p>