

Product datasheet for **SC307394**

GPR100 (RXFP4) (NM_181885) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR100 (RXFP4) (NM_181885) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR100
Synonyms:	GPCR142; GPR100; RLN3R2; RXFPR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307394 representing NM_181885. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC **GCGATCGCC**
ATGCCCACTCAATACTTCTGCCTCTCCACCCACATTCTTCTGGGCCAATGCCTCCGGAGGCAGTGTG
CTGAGTGCTGATGATGCTCCGATGCCTGTCAAATTCCTAGCCCTGAGGCTCATGGTTGCCCTGGCCTAT
GGGCTTGTGGGGCCATTGGCTTGTCTGGGAAATTTGGCGGTGCTGTGGTACTGAGTAACTGTGCCCGG
AGAGCCCTGGCCACCTTCAGACACCTTCGTCTTCAACCTGGCTCTGGCGGACCTGGGACTGGCACTC
ACTCTCCCTTTTGGGCAGCCGAGTCGGCACTGGACTTTCCTGGCCCTTCGGAGGTGCCCTCTGCAAG
ATGGTTCTGACGGCCACTGTCTCAACGTCTATGCCAGCATCTTCTCATCACAGCGCTGAGCGTTGCT
CGCTACTGGTGGTGGCCATGGCTGCGGGGCCAGGCACCCACCTCTCACTCTTCTGGGCCGAATAGCC
ACCCTGGCAGTGTGGCGCGGGTGCCTGGTGACGGTGCCACAGCTGTCTTGGGGTGGAGGGTGAG
GTGTGTGGTGTGCGCCTTTCCTGCTGCGTTTCCCCAGCAGGTAAGTGGTGGGGGCTACCAGCTGCAG
AGGGTGGTGTGGCTTTCATGGTGCCCTTGGGCGTCATCACCACCAGCTACCTGTGCTGCTGGCCTTC
CTGCAGCGGGCAACGGCGGGCAGGACAGCAGGGTCGTGGCCGCTCTGTCCGCATCCTGGTGGCT
TCCTTCTCTCTGCTGGTTTCCCAACCATGTGGTCACTCTCTGGGGTGTCTGGTGAAGTTTGACCTG
GTGCCCTGGAACAGTACTTCTATACTATCCAGACGTATGTCTTCCCTGTCACTACTTGTGGCACAC
AGCAATAGCTGCCTCAACCCTGTGCTGTACTGTCTCTGAGGCGGGAGCCCGGCAGGCTCTGGCAGGC
ACCTTCAGGGATCTGCGGTTGAGGCTGTGGCCCAAGGGCGGAGGCTGGGTGCAACAGGTGGCCCTAAAG
CAGGTAGGCAGGCGGTGGTTCGCAAGCAACCCCGGGAGAGCCGCCCTTCTACCCTGCTACCAACCTG
GACAGAGGGACACCCGGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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ACCN:	NM_181885
Insert Size:	1125 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:	<u>NM_181885.2</u>
RefSeq Size:	1146 bp
RefSeq ORF:	1125 bp
Locus ID:	339403
UniProt ID:	<u>Q8TDU9</u>
Cytogenetics:	1q22
Protein Families:	Druggable Genome, Transmembrane
MW:	41.1 kDa
Gene Summary:	GPR100 is a member of the rhodopsin family of G protein-coupled receptors (GPRs) (Fredriksson et al., 2003 [PubMed 14623098]).[supplied by OMIM, Mar 2008]