

Product datasheet for **SC111108**

GLP2R (NM_004246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLP2R (NM_004246) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLP2R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_004246, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTGGGATCGAGCAGGGCAGGGCCTGGGAGAGGAAGCGGGGACTCCTGCCTGGCGTCCACGAGC
TGCCCATGGGCATCCCTGCCCCCTGGGGACCAGTCTCTCTCCTCCACAGGAAGTGCTCTCTGGGC
CCCTGGGAGGCCCTTCTCACTCTGGTCTGCTGGTTTCCATCAAGCAAGTTACAGGATCCCTCCTGAG
GAAACGACTCGGAAGTGGGCTCAGTACAAACAGGCATGTCTGAGAGACTTACTCAAGGAACCTTCTGGCA
TATTTTGTAAACGGGACATTTGATCAGTACGTGTGTTGGCCTCATTCTTCTCCTGGAAATGTCTGTACC
CTGCCCTTCACTTACCTTGGTGGAGTGAAGAGAGCTCAGGAAGGGCCTACAGACTGCTTGGCTCAG
GGGACTTGGCAGACGATAGAGAACGCCACGGATATTTGGCAGGATGACTCCGAATGCTCCGAGAACCACA
GCTTCAAGCAAAACGTGGACCGTTATGCCTTGTGTCAACCTGCAGCTGATGTACACCGTGGGATACTC
CTTCTCTTATCTCCCTTCTCCTGGCTCTCACCTCCTTGTCTTTCGAAAACCTCACTGCACGCGC
AACTACATCCACATGAATTGTTTGTCTTTCATCCTGAGAACCCTGGTGTACTGGTGAAGGACGTCCG
TCTTCTACAACCTTACTCCAAGAGGCCGACAATGAGAATGGGTGGATGCTCCTACTGTCAGAGATGTC
CACCTCCTGCCGCTCAGTCCAGGTTCTCTTGCATTACTTTGTGGGTGCCAATTACTTATGGCTGCTGGTT
GAAGGCCTCTACCTCCACACGCTGCTGGAGCCACAGTGCTTCTGAGAGCGGCTGTGGCCAGATAACC
TGCTGTTGGGTTGGGCTTCCCTGTGCTATTTGTTGTACCCTGGGGTTTCGCCCGTGACACCTGGAGAA
CACAGGTGCTGGACAACAAATGGGAATAAGAAAATCTGGTGGATCATCCGAGGACCCATGATGCTCTGT
GTAACAGTCAATTTCTCATCTTCTGAAAATCTCAAGTCTCTCATTCTAAGTCAAAGCTCATCAA
TGTGCTCAGAGATTATAATACAGATTGGCAAATCAACTGGTCTCATTCTTTATTGGGCGTTCA
TGAGATCCTCTTCTTTCATCACTGATGATCAAGTTGAAGGATTTGCAAACTTATACGACTTTTCATT
CAGTTGACACTGAGCTCCTTTTCATGGTTCCTGGTGGCCTTGCAGTATGGTTTTGCAATGGAGAAGTGA
AGGCTGAGCTGCCGAAATACTGGTCCGCTTCTTGTAGCCCGCACTCAGGCTGCAGAGCCTGTGTCTCT
GGGAAGGACTTCCGTTTCTAGAAAATGTCCAAGAAGCTCTCGAAGGAGATGGCGCTGAGAAGCTT
CGAAGCTGCAGCCCTCACTTAACAGTGGGCGGCTCTACATCTAGCCATGCGAGGTCTTGGGGAGCTGG
GCGCCAGCCCCAACAGGACCATGCACGCTGGCCCCGGGGCAGCAGCCTGTCCGAGTGCAGTGAGGGGA
TGTACCATGGCCAACACCATGGAGGAGATTCTGGAAGAGAGTGAGATCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004246 unedited

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GATTTTGTATACGACTACTATAGGGCGGCCCGGATTCCGGCACGAGCTCAGACTCTC
GGCGCAGCGTGGAGAGGATTTGTGCAAACATTTCTCTGTGGACCAAGAGGAATGCAAGA
GGAGGCTGCCTGCGGTGCATCTTGGACGGCTAGAGAGATGTACCCTACTTGTGAAGGTG
CACGAGGAAGATGAAGCTGGGATCGAGCAGGGCAGGGCCTGGGAGAGGAAGCGGGGACT
CCTGCCTGGCGTCCACGAGCTGCCATGGGCATCCCTGCCCCCTGGGGACCAGTCTCT
CTCCTTCCACAGGAAGTGTCTCTTGGCCCCCTGGGAGGCCCTTCTCACTCTGGTCTCT
GCTGGTTTCCATCAAGCAAGTTACAGGATCCCTCCTTGTAGGAAACGACTCGGAAGTGGG
TCAGTACAAACAGGCATGTCTGAGAGACTTACTCAAGGAACCTTCTGGCATATTTGTAA
CGGGACATTTGATCAGTACGTGTGTTGGCCTCATTCTTCTCCTGGAAATGTCTCTGTACC
CTGCCCTTCACTTACCTTGGTGGAGTGAAGAGAGCTCAGGAAGGGCCTACAGACTG
CTTGGCTCAGGGGACTTGGCAGACGATAGAGAACGCCACGGATATTTGGCAGGATGACTC
CGAGTGTCCGAGAACCACAGCTTCAAGCAAAACGTGGATCGTTATGCCTTGTGTCAAC
CTTGCAGCTGATGTACACCGTGGGATACTCCTTCTCTTATCTCCCTTCTCCTGGCTCT
CACCTCCTCTTGNCTTTCGAAAACCTCACTGCACGCGCAACTACATCCACATGAACCT
GNTTGTCTTCTTATNCTGAGAACCTGNCTGTACTGGTGAAGGACGTCGTCTTCTACAA
CTCTACTNCAGAGGCTGACATGAGATGGNTGGATGTCTACTGTGAGAGAGTCCACTCC
TGCCTCAGTCAAGTCTCTT
    
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Restriction Sites: NotI-NotI
ACCN: NM_004246
Insert Size: 4700 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).
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_004246.1 , NP_004237.1
RefSeq Size:	1662 bp
RefSeq ORF:	1662 bp
Locus ID:	9340
UniProt ID:	O95838
Cytogenetics:	17p13.1
Domains:	7tm_2, HormR
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	This gene encodes a G protein-coupled receptor that is closely related to the glucagon receptor and binds to glucagon-like peptide-2 (GLP2). Signalling through GLP2 stimulates intestinal growth and increases villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. [provided by RefSeq, Dec 2014]