

Specifications:

Gene:	hGPR39
Accession:	NP_001499
Insert size:	1375bp
Concentration:	10µg at 0.2µg/µL

hGPR39 cDNA Plasmid

**GPR39 G protein-coupled
receptor 39 [*Homo sapiens*]**

Also known as:

Summary:

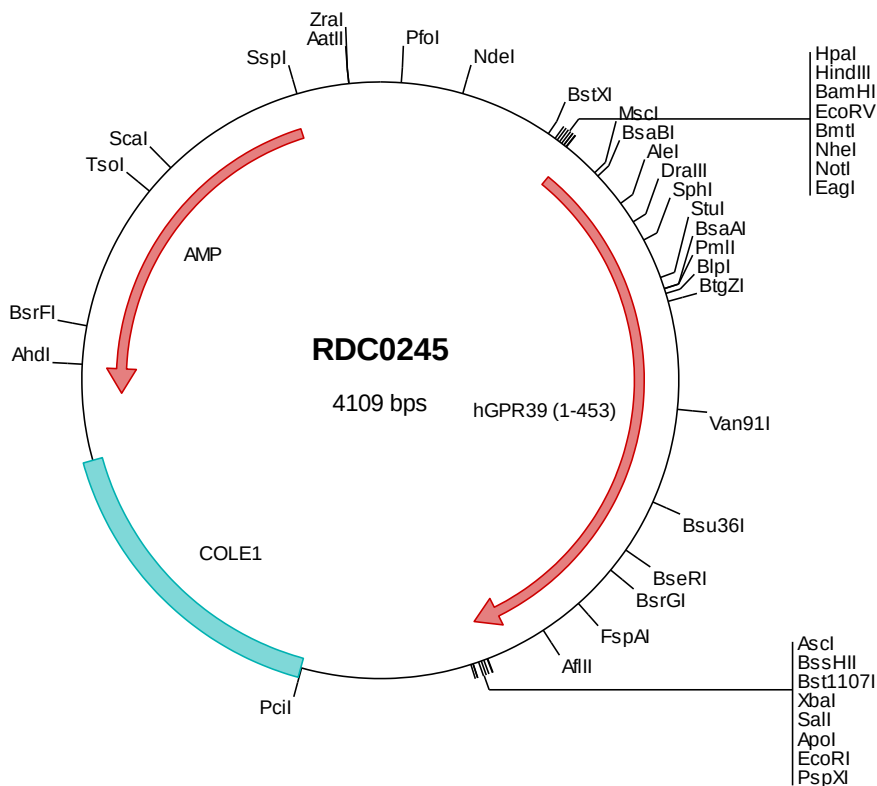
GPR39 is a seven-transmembrane G protein-coupled glycoprotein that is a member of the Ghrelin receptor family. GPR39 is expressed in the stomach, small intestine and areas of the brain including the hypothalamus. The ligand for GPR39 is the Ghrelin-associated peptide, Obestatin. Obestatin decelerates gastric emptying and decreases intestinal contractility in mice, counteracting the effects of Ghrelin. Extracellular loops of human GPR39 show 80% amino acid identity with mouse GPR39.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0245 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaagtgtg caagcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacac atggtctcac ccagctcccc gggcagtgac tgcctccaaa tcattgatca
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> RDC0245 Translated Insert Sequence

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201  qpetsnmsic tnlssrwtvf qssifgafv ylvllsvaf mcwnmmqvlm ksqkgsllagg trppqlrkse seesrtarrq tiiflrliiv tlavcwmpng
301  irrimaaakp khdwrsyfr aymillpfse tffylssvin pilytvsssq frrvfqvqlc crlsllqhanh ekrlrvhahs ttdsarfvqr pllfasrrqs
401  sarstekifl stfqseaeppg sksqslsles lepnsgakpa nsaaengfge hev
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