

Specifications:

Gene:	<i>hGPR80</i>
Accession:	NP_543008
Insert size:	1027bp
Concentration:	10µg at 0.2µg/µL

hGPR80 cDNA Plasmid

OXGR1 oxoglutarate (alpha-ketoglutarate) receptor 1 [*Homo sapiens*]

Also known as: GPR80; GPR99; P2Y15; P2RY15

Summary:

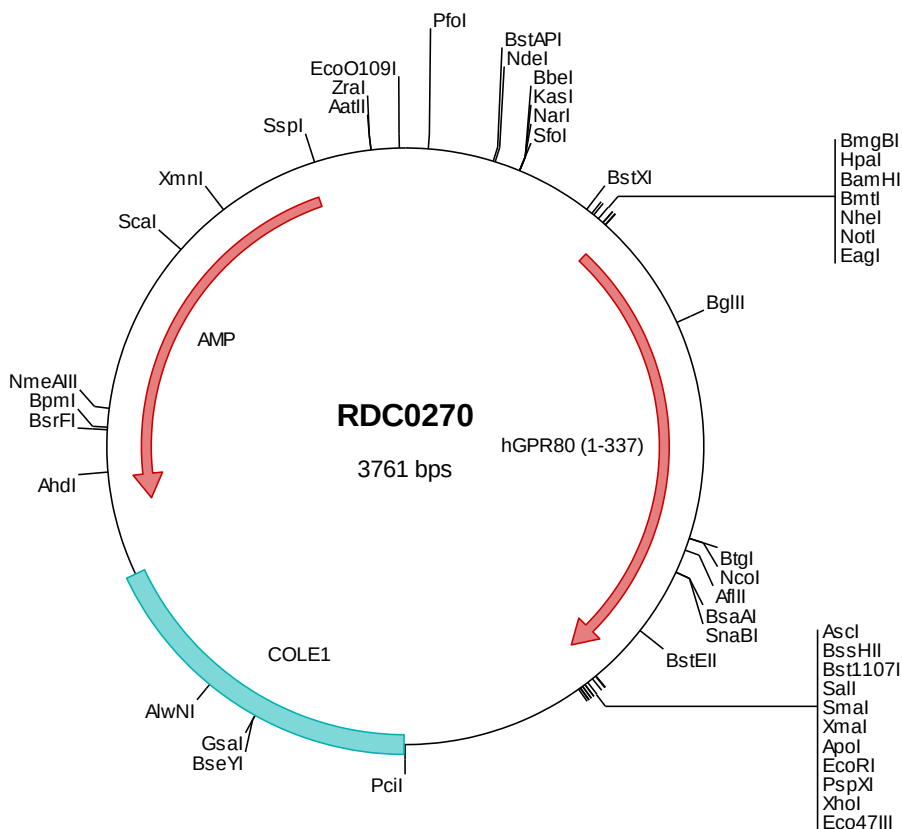
GPR80 is a receptor for alpha-ketoglutarate that seems to act exclusively through a G(q)-mediated pathway. GPR80 is detected in kidney and, to a lower extent, in placenta. GPR80 mRNA levels were inversely correlated with DNA methylation as examined in paired adjacent normal and tumor samples. Hypermethylated GPR80 is frequent in hepatocellular carcinoma and may be a useful marker in clinical applications.

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.





> RDC0270 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggaaccgata tccgtagcgc ggcgcgcacc atgaatgagc cactagacta tttagcaaat gcttctgatt tccccgatta
501  tgacgtcgtc tttggaatt gcactgatga aaacatccca ctcaagatgc actacctccc tgttatttat ggcattatct tccctgtggg atttccaggc
601  aatgcagtag tgatatccac ttacattttc aaaatgagac cttggaagag cagcaccatc attatgctga acctggcctg cacagatctg ctgtatctga
701  ccagcctccc cttctctgatt cactactatg ccagtggcga aaactggatc ttgggagatt tcatgtgtaa gtttatccgc ttcagcttcc atttcaacct
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3601 ttattgtctc atgagcggat acatatattg atgtatttag aaaaataaac aaataggggt tccgcgcaca tttccccgaa aagtgccacc tgacgtctaa
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> RDC0270 Translated Insert Sequence

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101  fgdfrmckfir fsfhfnlyss ilflctcsif rycviihpm sfsihktrca vvacavvwii slvavipmtf litstnrtnr sacldltssd elntikwynl
201  iltattfclp lvivtlcytt iihltlthglq tdsclkgkar rltilllllaf yvcflpphil rviriesrll siscsienqi heayivsrlp aalntfngll
301  lyvvvsdnfq qavcstvrc k vsnleqakk isysnnp
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