

Specifications:

Gene:	hGPR37
Accession:	NP_005293
Insert size:	1854bp
Package size:	10µg at 0.2µg/µL

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.

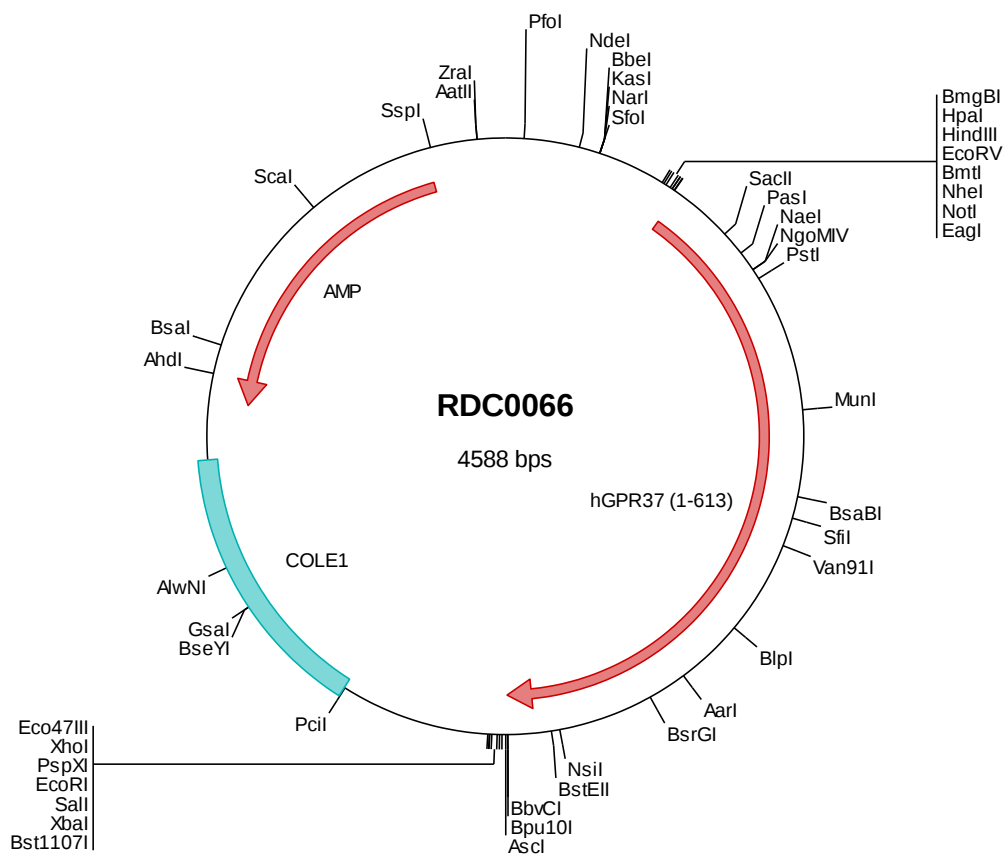
hGPR37 cDNA Plasmid

GPR37 G protein-coupled receptor 37 (endothelin receptor type B-like)
[*Homo sapiens*]

Also known as: PAELR;
EDNRBL; hET(B)R-LP

Summary:

GPR37 is a seven transmembrane G protein coupled orphan receptor. It is a substrate of parkin, and its insoluble aggregates accumulate in brain tissue samples of Parkinson's disease patients, including Lewy bodies and neurites. Parkin activates the clearance of the unfolded receptor, while the overexpression of GPR37, in the absence of parkin, can lead to unfolded protein-induced cell death.





> RDC0066 Plasmid DNA Sequence

```
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaacgctt ggaaccgata tcgctagcgc ggccgccacc atgcgagccc cggggcgctt tctcgcccgc atgtcgccgc tactgtcttc
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601  cgcccgccga gggacgcctg gggacccgga aattctgcaa gagacgttct gcgagccoga gcacccaggg aggagcaggg ggcagcgctt cttcggggac
701  cctctctgga cctgcggcgg gccccggggc gtgacccggc tgcaggcaga gggcgggagg cgtcggcagc cggaccccg ggcacctcaa ccaggccacc
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> RDC0066 Translated Insert Sequence

```
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201  anlaglghew tialpgrala qngslgegih epggprgrns tnrrvrlknp fypiltqesyg ayavmclsvv ifgtgiignl avmciuchny ymrslsll
301  anlafwdfli iffcplplvf heltkwille dfscikivpyi evaslgtvtf tlcalcidrf raatnvqmyy emienccstt akklaviwny lllalpevvl
401  rqlskedlfg sgrapaerci ikispdlpdt iyvlaltids arlwwyfgcy fclptlftit cslvtarkir kaekactrgn krqiglesqm nctvvaltil
501  ygfciipeni cnivtaymat gvsqqtmdll niisqflfff kscvtpvllf clckpfsraf meccccccce ciqksstvtS ddndneytte lelsfpstir
601  remstfasvg thc
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