

## Product datasheet for **RC208054**

### **GPR37 (NM\_005302) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR37 (NM_005302) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR37
Synonyms:	EDNRBL; hET(B)R-LP; PAELR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC208054 representing NM\_005302  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGAGCCCCGGGCGCCTTCTCGCCGCATGTCGCGGCTACTGCTTCTGCTACTGCTCAAGGTGTCTG  
 CCTTCTTGCCTCGGGTGCCTCGCGTCCAGAAACGAACTTGTCTGGGGGAGAGCTGTGCACCTAC  
 AGTGATCCAGCGCCGCGCAGGGACGCCTGGGGACCGGAAATCTGCAAGAGACGTTCTGCGAGCCGA  
 GCACCCAGGGAGGAGCAGGGGGCAGCGTTTCTGCGGGACCTCTGGGACCTGCCGGCGGCCCGGGCC  
 GTGACCCGGTGCAGGCAGAGGGGCGGAGGCGTCCGACCGGACCCCGGGACCTCAACCAGGCCACC  
 TGGCCCTGGAGGTGAAAGGTGCTCGGGTCAAGGACCTTCTGAACTTTGGGGAGAGGAAACCCACG  
 GCCCTCCAGCTTCTCCTCAGATCTCAGAGGAGGAAGAGAAGGGTCCAGAGGCGCTGGCATTTCGGGC  
 GTAGCCAGGAGCAGAGTGTGAAGACAGTCCCCGGAGCCAGCGATCTTTTTACTGGCCAAGGAGCCGG  
 GAAACTCCAGGGTCCCACCACAAGCCCTGTCCAAGACGGCCAATGGACTGGCGGGCAGCAAGGGTGG  
 ACAATTGCACTCCCGGGCGGGCGCTGGCCAGAATGGATCCTTGGGTGAAGGAATCCATGAGCCTGGGG  
 GTCCCCGCGGGGAAACAGCACGAACCGCGTGTGAGACTGAAGAACCCCTTCTACCCGCTGACCCAGGA  
 GTCCTATGGAGCTACGCGGTATGTGTCTGTCGTGGTATCTTGGGACCGGCATCATTGGCAACCTG  
 GCGGTGATGTGCATCGTGTGCCACAACACTACATGCGGAGCATCTCAACTCCCTCTTGGCCAACCTGG  
 CCTTCTGGGACTTCTCATCATCTTCTTCTGCCTCCGCTGGTATCTTCCACGAGCTGACCAAGAAGTG  
 GCTGCTGGAGGACTTCTCCTGCAAGATCGTGCCCTATATAGAGGTCGCTTCTCTGGGAGTACCACCTTC  
 ACCTTATGTGCTCTGTGCATAGACCGCTCCGTGCTGCCACCAACGTACAGATGTACTACGAAATGATCG  
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 GGTGGTATTTGGCTGTTACTTTTGTGGCCACGCTTTTACCATCACCTGCTCTCTAGTGACTGCGAG  
 GAAATCCGCAAAGCAGAGAAAGCTGTACCCGAGGGAATAAACGGCAGATTCAACTAGAGAGTCAGATG  
 AACTGTACAGTAGTGGCACTGACCATTTTATATGGATTTGCATTATTCTGAAAATATCTGCAACATTG  
 TACTGCCTACATGGCTACAGGGTTTACAGCAGACAATGGACCTCCTAATATCATCAGCCAGTTCCT  
 TTTGTTCTTAAGTCTGTGTACCCAGTCTCTTTTCTGTCTGCAAAACCTTCAGTCGGGCCTTC  
 ATGGAGTCTGCTGTGCTGTGAGGAATGCATTGAGAAGTCTCAACGGTGACCAGTGTGACAAATG  
 ACAACGAGTACACCACGGAACCTGCAACTCTCGCCTTTCAGTACCATACGCGGTGAATGTCCACTTTTGC  
 TCTGTCCGGAACCTATTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208054 representing NM\_005302  
 Red=Cloning site Green=Tags(s)

MRAPGALLARMSRLLLLLLKVSAASSALGVAPASRNETCLGESCAPTVIQRGRDAWPGNSARDVLRAR  
 APREEQGAFLAGPSWDLPAAPGRDPAAGRGAEASAAGPPGPTRPPGPWRWKARGQEPSETLGRGNPT  
 ALQLFLQISEEEEKPRGAGISGRSQEQSVKTVPGASDLFYWPRRAGKLQGSHHKPLSKTANGLAGHEGW  
 TIALPGRALAQNGSLGEGIHEPGPRRGNSTNRRVRLKNPFYPLTQESYGAYAVMCLSVVIFGTGIIGNL  
 AVMCIVCHNYMRSISNSLLANLAFWDFLIIFFLPLVIFHELTKKWLEDFSKIVPYIEVASLGVTTF  
 TLCALCIDRFRAATNVQMYEMIENCSSTAKLAVIWVGALLLALPEVLRQLSKEDLGFSGRAPAERCI  
 IKISPDLPTIYVLALTYDSARLWYFGCYFCLPTLFTITCSLVTARKIRKAEKACTRGNKRQIQLESQM  
 NCTVVALTILYGFCCIIPENICNIVTAYMATGVSQQTMDLLNIISQFLLFFKSCVTPVLLFCLCKPFSRAF  
 MECCCCCEECIQKSSTVTSDDNDNEYTTELELSPFSTIRREMSTFASVGTTC

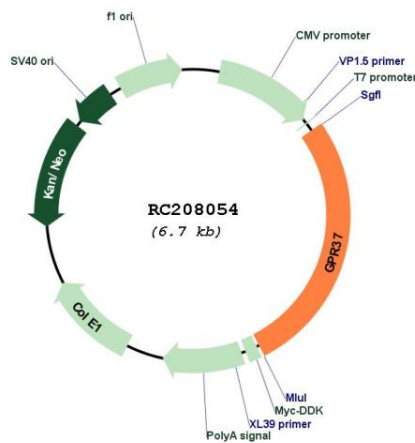
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**RefSeq:** [NM\\_005302.5](#)  
**RefSeq Size:** 3815 bp  
**RefSeq ORF:** 1842 bp  
**Locus ID:** 2861  
**UniProt ID:** [O15354](#)  
**Cytogenetics:** 7q31.33  
**Protein Families:** Druggable Genome, GPCR, Transmembrane  
**Protein Pathways:** Parkinson's disease  
**MW:** 67.6 kDa

**Gene Summary:** This gene is a member of the G protein-coupled receptor family. The encoded protein contains seven transmembrane domains and is found in cell and endoplasmic reticulum membranes. G protein-coupled receptors are involved in translating outside signals into G protein mediated intracellular effects. This gene product interacts with Parkin and is involved in juvenile Parkinson disease. [provided by RefSeq, Oct 2012]

**Product images:**



Circular map for RC208054