

Product datasheet for **SC123823**

GPR37 (BC040007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR37 (BC040007) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR37
Synonyms:	EDNRBL; endothelin receptor type B-like; G protein-coupled receptor 37; G protein-coupled receptor 37 (endothelin receptor type B-like); hET(B)R-LP; PAELR; Parkin-associated endothelin receptor-like receptor
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC040007 edited
 GGGGTTGGAATCCCGCTTCTCCTCGGCAGCAGTAGGCTCGCAAGTCGCTGGGGTTAGGTG
 GGGCAAGAGTTTCGCCGGCGCATCAGCGCTGCTTCGGACTGTTTGCAACGTGTTTCCAGC
 GAGCTGGGAGCGGGTGTGACTGCGAGTCGTCTGGGGAGGGGGACTTGTTTTTCTTTT
 CCTCTAGAGACCTCGGCTTGAACCTGGATCAAACGCTGTGAAAGGATGTAATAGGCAG
 AGCAACTGTTACCAAGAAGGCCACCCACCCCAAGGCAGTGAGGAGTGTGGGGCTT
 CGTCTGGGCTCCCCGAGTCTCAACAGTAATCAACAGTCAGGTGTTGATTGCAACTTTTC
 AAGGTCAGCCACCGGAGTAGCCTATTCCCTCTAGGAACCTTGGAGGGCATACTTTGCTG
 GGACTCAACTTGCTGAGAAATGCAACAAGATGCCAAAGGAGGAAGGATTATAGGGGGCGT
 GTGTGTGACCCCAAGACCGATCTTCCGCTATCACCTAATCTCCGGTCCCCGCTACCC
 GGGCGGGGTGAGTATGTGACATGTGCCTAACTCTCAGCAGCAACTTCGGCAGCAGGTGT
 CGATCCTAACTAAGCAGGAGCTGCGGCTGCCGGTGTGCCCTACCAAGCCATGCGAGCC
 CCGGGCGCTTCTCGCCCGCATGTGCGGCTACTGCTTCTGCTACTGCTCAAGGTGCT
 GCCTTCTGCTCCGCTCGGGTCCGCCCTGCGTCCAGAAACGAACTTGTCTGGGGAGAGC
 TGTGCACCTACAGTGATCCAGCGCCGCGCAGGGACGCCTGGGGACCGGAAATTCTGCA
 AGAGACGTTCTGCGAGCCGAGCACCCAGGGAGGAGCAGGGGGCAGCGTTTCTTGCGGGA
 CCCTCCTGGGACCTGCCGGCGGCCCGGGCCGTGACCCGCTGCAGGCAGAGGGGCGGAG
 GCGTCGGCAGCCGGACCCCGGGACCTCCAACAGGCCACCTGGCCCTGGAGGTGAAA
 GGTGCTCGGGGTGAGGAGCCTTCTGAACTTTGGGGAGAGGGAACCCACGGCCCTCCAG
 CTCTTCTTCCAGATCTCAGAGGAGGAAGAGAAGGGTCCCAGAGGCGCTGGCATTTCGGG
 CGTAGCCAGGAGCAGAGTGTGAAGACAGTCCCGGAGCCAGCGATCTTTTTACTGGCCA
 AGGAGAGCCGGGAACTCCAGGTTCCACCACAAGCCCTGTCCAAGACGGCCAATGGA
 CTGGCGGGGACGAAGGTTGACAATTGCACTCCCGGGCCGGGCGCTGGCCAGAATGGA
 TCCTTGGGTGAAGGAATCCATGAGCCTGGGGTCCCGCGGGGAAACAGCACGAACCGG
 CGTGTGAGACTGAAGAACCCTTCTACCCGCTGACCCAGGAGTCTATGGAGCCTACGCG
 GTCATGTGTGTCCGTGGTGTCTTCCGGACCGGCATCATTGGCAACCTGGCGGTGATG
 TGCATCGTGTGCCACAATACTACATGCGGAGCATCTCCAACCTCCTTGGCCAACCTG
 GCCTTCTGGGACTTCTCATCATCTTCTTCTGCCTTCCGCTGGTCACTTCCACGAGCTG
 ACCAAGAAGTGGCTGCTGGAGGACTTCTCTGCAAGATCGTGCCTATATAGAGGTGCT
 TCTCTGGGAGTACCACCTTACCTTATGTCTCTGTGCATAGACCGCTCCGTGCTGCC
 ACCAACGTACAGATGACTACGAAATGATCGAAAAGTTCCTCAACAAGTCCAAACTT
 GCTGTTATATGGGTGGGAGCTCTATTGTTAGCACTTCCAGAAGTGTCTCCGCCAGCTG
 AGCAAGGAGGATTTGGGGTTAGTGGCCGAGCTCCGGCAGAAAGGTGCATTATTAAGATC
 TCTCCTGATTTACCAGACACCATCTATGTTCTAGCCCTCACCTACGACAGTGCAGACTG
 TGGTGGTATTTGGCTGTACTTTTGTGGCCACGCTTTTACCATCACCTGCTCTCTA
 GTGACTGCGAGGAAAAATCCGCAAAGCAGAGAAAGCCTGTACCCGAGGGAATAACGGCAG
 ATTCAACTAGAGAGTCAGATGAACTGTACAGTAGTGGCACTGACCATTTTATAGGATTT
 TGCATTATCTGAAAAATCTGCAACATTGTTACTGCCTACATGGCTACAGGGTTTCA
 CAGCAGACAATGGACCTCCTTAATATCATCAGCCAGTTCCTTTTGTCTTTAAGTCTGT
 GTCACCCAGTCCCTTTTCTGTCTCTGCAAACCTTTCAGTCGGGCCTTCATGGAGTGC
 TGCTGCTGTTGCTGTGAGGAATGCATTGAAAGTCTTCAACGGTGACCAGTGTGACAAT
 GACAACGAGTACACCACGGAACCTCGAACTCTCGCCTTTCAGTACCATACGCCGTGAAATG
 TCCACTTTTGTCTGTGCGAACTCATTGCTGAAGGACAGTACTTGGTTGGGTCAGATTT
 ATTTGTTTGAATTTTATATCCCGTGAAGTTTTTAATTCATATTTTCTTATAGGGAAA
 AATGCAAAAAAGAAACAATAAAGAAAGAAATTAATACTACTGTAGAACTGATTTTACAAA
 TTAATATTTGTGCTTTGAAAAAAGTTTCTATTTAGTTATTTAAGAAGAATGAGAAGGCC
 AATAGTTTGAATATTTTATCTGGTATGGTGTAAATTTTATTTGAAAAAAGTTACTG
 CAACTTAACTTAAATGCTAACGTTTTTCTTCTTTTAAAAATACAATTATTGTATATT
 GATTATAGCAATGTGATTTTGTAGGTTATTTTATTTGAGTTGTGATTGAAAGTATGTT
 GTATATGGTATTGTGAGATGATTTGACTTGGAAAGCATTACAAAAGTAGCACCAATAAA
 TTACACTTTATTTTAA
 AA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC040007 unedited GGGACTGTACGCCTGGAACCGCCTTCCAGCTGTTTTGACCTCTANAAGAACCGGGACC GATCCAGCCTCCGGACTCTAGCCTAGGCCGCGGGACGGATAACAATTTACACAGGAAAC AGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTGTACAAAAAGCAG GCTGGTACCGTCCGGAATCCCGGGATGGGGTTGGAATCCCGCTTCTCCTCGGCAGCAG TAGGCTCGCAAGTCGCTGGGGTTAGGTGGGGCAAGAGTTTCGCCGGCGCATCAGCGCTGC TTCGGACTGTTTTGCAACGTGTTTCCAGCGAGCTGGGAGCGGGTTGTGACTGCGAGTCGT CTGGGGGAGGGGACTTGTTTTTCTTTTCTCTAGAGACCTCGGCTTGCAACTGGATCAA ACGCTGTGCAAAGGATGTAATAGGCAGAGCAACTGTTACCAAGAAGGCCACCACCCCA CCCAAAGGCAGTGAGGAGTGTTGGGGCTTCGTCTGGGCTCCCCGAGTCTCAACAGTAATC AACAGTCAGGTGTTGATTGCAACTTTTCAAGGTCAGCCACCGGGAGTAGCCTATTCCTC TAGGAACCTTGGAGGGCATACCTTGCTGGGACTCAACTGGCTGAGAAATGCACAAGATG CCAAAGGAGGAAGGATTATAGGGGGCGTGTGTGACCNCAGACCGATCTTCCGCTATC ACCCTAATCTCCGTTCCNCGCTACCCGGGCGGGGGTGTGATGTGACATGTGCCTAACT CTCAGCAGCAACTTTCGAGCAGGTGTCGATCCTAACTAAAGCAGAGCTGCGGCTGCCGG GTGTGCCCTACCAACCATGCGAGCCCCGGGCGCGCTTCTCGCCCGCATGTCGCGGCTAC TGCTTCTGCTACTGCTAAAGG
Restriction Sites:	Please inquire
ACCN:	BC040007
Insert Size:	3400 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:	<u>BC040007.1</u> , <u>AAH40007.1</u>
RefSeq Size:	3058 bp
RefSeq ORF:	1839 bp
Locus ID:	2861
Cytogenetics:	7q31.33
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Parkinson's disease

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]