

## Product datasheet for **MC204129**

### **Gpr37 (NM\_010338) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpr37 (NM_010338) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr37
Synonyms:	A1848630; Pael-R
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC031918  
 CGCTCCACTCCACGCCTTCTCAGCCCGTGCAGTGGCGCAGCCGCTGGCGCCATCCACTTGTCAACTTTG  
 AACTGAAGGAGCAGCAACTTTGACAGTGGCCGCGGGTTTCGAATCTGGCTTCTCCTTGGCAACAGTCCCT  
 TTGAAAGTCGTCGGAGTTAAACGAAGCAAGAGTTTCTCTGTGCTCCGGTGGTGCCTTGTTCGAAAGGT  
 CCCCACCCCCACCCCCCGCCAGCCGAGAGTGGGATTGTGACAGCCAGTCCCCTAGTGGAGCGGACTTG  
 TTTTTCTTTTTCTAGAGACCTCTACTAGCAGTGGATAAAGCAGTATGAAAGGATGTAATAGCAGA  
 GCAACTGTTACCAAGAAGACAGCCACCACCAAGGCTGGGAGGAGCGCGGGCTTCTCCAGGCTGCGC  
 CCAGTCGCAACATTAGGGAACAATCAGGTGGTGTTCGCAACTTTCAAGGTCAGCCTCTTGATCTGTTA  
 TTTCCCTGGGAACCTTCGGGTGCACCGAGCTTGATTAGATTTGGCTGGGAAATGCTCAGAACATGAAAC  
 GTGGAAGGATTGTAGGATGTGTGATGACACCGTCTTCCCAAGCGCCTGTTCCCTCCAGCAATCT  
 TCTGCTCCATCTCTACCCAGCGGTGAGTATGTGACATGTGCCTAACTCTGACCAAGTTTGGCAGC  
 AGGTGTCGGTGTAAAGTAGAGCCAGGCTAGTAGGTGCGCCCTCGCCGAGCCATGCCAGCCCGGGCGCG  
 CCTCTCTCGGCACATCGCGGCTGCTGCTCTTCTGCTGTTAAGGTTTCTGTCTGCTGCTGACCTGAGCT  
 TTGTCCCTGAGCCAGGAATGGAATTTGCTGGGGGAGAGCTGTCCCCACTGATCCAACGCCGAGCAG  
 GGATGCCCGTGGACCTGGGAATTCGGCAAAAGACGCTCTGCGAGTCCATGTGCCAGAGAGAAATGGAA  
 GCAGAGGTGAGAGGGGCGACCTCTTGGGACCTCCACCACCCAGGGCGGTGACACAGGTGTGATTGAAG  
 AAGCGGGCGCTGCTGGGCCCTTGGGACCTCCAACCAAGCCACCAAGTGCCTGGAGATGAAAAGTGCCCA  
 GGGTAAAGAACCATCCGGGCATTTGAGGAGAAGGGACCCACGGATCCCCAACTTCTTTCCGACATCG  
 GAGGGGGGAGAGATGAGTTCCAAGCGCATGGGATTCCCAGAGCAGGCAGGAGCACAGTGTGAAAACGG  
 AACCCAGAGATCTTTTTACTGGCCACGAAGAAGTGGACAACCTCCAGGATTTCCAACACAGGCTTCCAGC  
 AGTACACGAAGGAAGGACCCTTGTCTCCAGGCAGGGCACTACCGAAAACGGGTCTGCAGATGACTGG  
 GTTCTGACCAAGGGGTCCACGCCGTGGAACACCACGCGCGCGTGTGATTGAAGAACCCTTCTACC  
 CATTGACCAAGAATCCTACGGAGCCTATGCGGTCTATGCTTATCTGTGGTGTCTTTGGGACCGGCAT  
 TATTGGCAACTTGGCAGTGTGATCGTGTGTCACAATTAACATGAGGAGCATCTCAATTTCTCTC  
 TTGGCCAACCTGGCTTTCTGGGACTTTCTCATCATCTTCTCTGCTCCCTGGTCATCTTCCATGAGT  
 TGACTAAGAAGTGGCTTTTGAAGATTTCTCTGCAAGATCGTGCCTATATCGAGGTGGCTTCTCTGGG  
 TGTCACTACCTTACCTTATGTGCACTGTGCATAGATCGTTCGGGCTGCCACCAACGTCCAGATGTAC  
 TATGAAATGATTGAAAATGCTCTTCCACCCTGCAAACTTGGCGTTATCTGGTTGGAGCTCTGCTTT  
 TGGCCCTTCCGGAAGTTGCTCTCCGCCAGCTGAGCAAGGAAGATTTGGGCTTTAGTGGCCAGGCTCTGC  
 AGAACGGTGTGCATAAAGATCTCTCTGATTTACCGGACACAATCTATGTTTTGGCTCTCACCTATGAT  
 GGTGCAAGGCTTTGGTGGTATTTGGTGTCTACTTTTGTCTGCCACACTTTTACCATCACCTGCTCTC  
 TAGTGACTGCTCGGAAGATCCGCAAGCGGAGAAGGCCAGTACCCGTGGAAACAAGCGGCAGATCCATCT  
 AGAGAGCCAGATGAACTGCACAGTGGTGGCTCTGACCATTTTATATGGGTTTTGCATCATCCCTGAGAAT  
 ATCTGCAACATTGCACTGCCTACATGGCCACGGGCGTCTCTCAGCAGACCATGGACCTGCTCAACATCA  
 TCAGCCAGTTCCTTTGTTTTCAAGTCTGTGTACCCCGTGTCTCTTCTGCTCTGCAGACCCTT  
 CAGCAGGGCCTTCATGGAGTGTCTGCTGCTGTGTGAGGAGTGTATCCAGAAGTCTTCCACTGTGACC  
 AGTGACGACAACGACAACGAGTACACCACAGAGCTGGAGCTGTGCGCCCTCAGTACTATCCGAGGGAGA  
 TGTCCACTTTTGCTTCTGTGGGACTCATTGCTGAAGGAACGGCTTGGTTAGCTCTGATTTCTTCGATTT  
 TCATATTTCTGTGAAAATTTTACTCCATATTTTCTTACAGGGGAACAATGCACACATTTTGAAGAAGCA  
 AGTAGAGGAAGACATATTAACACTCTAGAACTGATTTTGCAAATTAATATTTGTGCTCTGGGAAAAAAT  
 GTTTCTATTTAGTTATGTAAGAAGAAGGAGGCCAACAGTCTCAGATCATTTTTTCTGCTATGGTGTAA  
 TATTTTATTCAAAAGTTATTGCACCTTAACAATATTAATTGTTTGTATTTCTTTCTTTTAAAAACAT  
 AATCGTTGTATATTGAAGGCAGGCCCGGATTTTGTAGTATTTTGTGTTTGTGATTGGAAGTA  
 CATTGTATTTGAAATGGTTTGTTTTTCCAGCCATGCAACTTAGCACCAATAAACTTCTCATCTTCTT  
 TAATATGACTGTCAATCTACTTTAAACCAAGACTCAATAAATTTTTAATGCTTAAATAAAAAAAAAA  
 AA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_010338  
**Insert Size:** 1803 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC031918</a> , <a href="#">AAH31918</a>
<b>RefSeq Size:</b>	3136 bp
<b>RefSeq ORF:</b>	1803 bp
<b>Locus ID:</b>	14763
<b>UniProt ID:</b>	<a href="#">Q9QY42</a>
<b>Cytogenetics:</b>	6 11.65 cM
<b>Gene Summary:</b>	Receptor for the neuroprotective and glioprotective factor prosaposin. Ligand binding induces endocytosis, followed by an ERK phosphorylation cascade (By similarity). [UniProtKB/Swiss-Prot Function]