

Product datasheet for **MR209307**

Gpr37 (NM_010338) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr37 (NM_010338) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr37
Synonyms:	A1848630; Pael-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209307 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCAGCCCGGGCGCGCCTCTCTCGCGCACATCGCGGCTGCTGCTCCTTCTGCTGTTAAGTTTCTG
 TCTCTGCTGCCCTGAGCTTTGTCCCTGAGCCCAGGAATGGAACCTGTCTGGGGGAGAGCTGTCCCACT
 GATCCAACGCGCAGCAGGGATGCCCGTGACCTGGGAATTCGGCAAAAGACGCTCTGCGAGTCCATGTG
 CCCAGAGAGAACTGGAAGCAGAGGTGAGAGGGGCGACCTCTGGGACCTCCCACCACCCAGGGCGGTTG
 ACACAGGTGTGATTGAAGAAGCGCGGCTGCTGGGCCCTGGGACCTCCAACCAAGCCACCAAGTGCCTG
 GAGATGGAAGTGCCAGGTAAGAACCATCCGGCATTGAGGAGAAGGGACCCACGGATCCCAA
 CTCTTCTTCCGACATCGGAGGGGGAGAGATGAGTTCCAAGCGCATGGGATCCCCAGAGCAGGCAGG
 AGCACAGTGTAAAACGGAACCCAGAGATCTTTTTACTGGCCACGAAGAACTGGACAACCCAGGATTC
 CCAACACAGGCCCTCAGCAGTACACGAAGGAAGACCCTTGCTCCTCCAGGCAGGCACTACCGCAAAC
 GGGTCTGCAGATGACTGGTTCCGACCAAGGGGTCCACGCCGTGGAACACCACGCGCGCGTGAGAT
 TGAAAGACCCCTTCTACCCATTGACCAAGAATCCTACGGAGCCTATGCGGTATGTGCTTATCTGTGGT
 GATCTTTGGGACCGCATTATTGGCAACTTGGCAGTGTGTGCATCGTGTGTACAATTACTACATGAGG
 AGCATCTCCAATTCTCTTTGGCCAACCTGGCTTTCTGGGACTTCTCATCATCTTCTTCTGCTCCCCC
 TGGTCACTTCCATGAGTTGACTAAGAAGTGGCTTTTGGGAAGATTTCTCCTGCAAGATCGTGCCTATAT
 CGAGGTGGCTTCTCTGGGTGCTACTACCTTACCTTATGTGACTGTGCATAGATCGCTTCCGGGCTGCC
 ACCAAGTCCAGATGACTATGAAATGATTGAAAATTGCTTCCACCACTGCCAAACTTGCCTTATCT
 GGGTTGGAGCTCTGCTTTTGGCCCTTCCGGAAGTTGCTCCTCCGACAGTGAGCAAGGAAGATTTGGCTT
 TAGTGGCCAGGCTCCTGCAGAACGGTGTGTCAAAAGATCTCCTGATTACCGGACACAATCTATGTT
 TTGGCTCTCACCTATGATGGTGAAGGCTTTGGTGGTATTTTGGCTGCTACTTTTGTCTGCCACACTTT
 TCACCATCACCTGCTCTAGTACTGCTCGGAAGATCCGCAAAGCGGAGAAGGCCAGTACCCGTGGAAA
 CAAGCGGCAGATCCATCTAGAGAGCCAGATGAACTGCACAGTGGTGGCTCTGACCATTTTATATGGGTTT
 TGCATCATCCCTGAGAATATCTGCAACATTGTCACTGCCTACATGGCCACGGGCGTCTCTCAGCAGACCA
 TGGACCTGCTCAACATCATCAGCCAGTTCCTTTTGTGTTTTCAAGTCTGTGTACCCCCGTGCTCCTCTT
 CTGCTCTGCAGACCCTCAGCAGGCCCTCATGGAGTGTGCTGCTGCTGTGTGAGGAGTGTATCCAG
 AAGTCTTCCACTGTGACCAGTGCAGACAACGACAACGAGTACACCACAGAGCTGGAGCTGTGCCCTTCA
 GTACTATCCGAGGGAGATGTCCACTTTTGCTTCTGTGGGACTCATTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209307 protein sequence
 Red=Cloning site Green=Tags(s)

MPARGAPLSRSLRLLLLLKVSVSAALSFVPEPRNGTCLGESCSPLIQRRSRDARGPGNSAKDALRVHV
 PREKLEAEVRGATSWDLPPPRGGDTGVIEEAAAAGPLGPPTKPPSAWRWKSAGQKEPSGHLRRRDPDTPQ
 LFFPTSEGGEMSSKRDGIPQSRQEHSVKTEPRDLFYWPRRTGQLQDSQHRPSAVHEGRTLAPPGRALPQN
 GSADDWVPDQGGPRRGNTTRRVRLKNPFYPLTQESYGAYAVMCLSVVIFGTGIIGNLAVMCIVCHNYMR
 SISNSLLANLAFWDFLIFFCLPLVIFHELTKWLLLEDFSCKIVPYIEVASLGVTTFTLCALCIDRFRAA
 TNVQMYEMIENCSSTAKLAVIWWGALLLALPEVVLRLQSKEDLGFSGQAPAERCVIKISPDLPTIYV
 LALTYDGARLWYFQCYFCLPTLFTITCSLVTARKIRKAEKASTRGNKRQIHLESQMNCVVALTILYGF
 CIIPENICNIVTAYMATGVSQQTMDLLNIISQFLLFFKSCVTPVLLFCLCRPFSRAFMCCCCCEECIQ
 KSSTVTSDDNDNEYTTELELSPFSTIRREMSTFASVGTGHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010338

ORF Size: 1803 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
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: [NM_010338.2](#)

RefSeq Size: 3205 bp

RefSeq ORF: 1803 bp

Locus ID: 14763

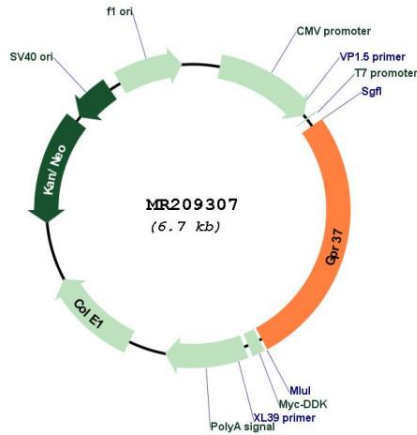
UniProt ID: [Q9QY42](#)

Cytogenetics: 6 11.65 cM

MW: 66.8 kDa

Gene Summary: Receptor for the neuroprotective and glioprotective factor prosaposin. Ligand binding induces endocytosis, followed by an ERK phosphorylation cascade (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209307