

## Product datasheet for MR204323

### Gpr35 (NM\_001104529) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr35 (NM_001104529) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr35
Synonyms:	KPG_007
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204323 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAGTACAACCTGTAACAGCACCCCTCACGTGGCCTGCTCCGTCAACAACCTCTTCATCATCTACT  
CAGCCTTGCTGCTGGTGTGGCCTGCTGCTCAACAGCGTGCCACTCTGGGTATTCTGCTATCGCATGCA  
CCAGTGGACAGAGACCCGCATCTATATGACCAACCTGGCTGTGGCCGACCTCTGCCTGCTCTGCTCCTTG  
CCATTTGTGCTGTAATCCCTGAAATATAGTTCTTCAGACACACCCGCTGCCAGCTCTCACAGGGCATCT  
ACCTGGCCAACAGATACATGAGCATAAGCCTGGTCACTGCCATTGCTGTGGACCGCTATGTGGCAGTGCG  
GCATCCCCTGCGTGCCTGAGCTGCGGTCCCCGAGACAGGCTGCAGCAGTGTGTGTGGCCCTTTGGGTG  
ATAGTGGTCACTCCCTGGTAGTGCGCTGGCGCCTGGGGATGCAGGAGGGTGGCTTCTGCTTCAGCAGCC  
AAACCCGGCGCAATTTACAGCACCCTGCCTTCTCACTGCTGGGATTCTACCTGCCGCTGGCCATCGTGGT  
CTTCTGCTCTTTGCAGGTAGTACTGTGCTATCGAGAAGGCCAGCCGCTGATGTGGGGCAGGCAGAGGCC  
ACCCAAAAGGCCACCCACATGGTCTGGGCAACTGGCTGTGTTGTCTGCTTCTGCCCTTGATG  
TGGTCTGACCGTGCAGGTCTCCCTGAACCTCAATACCTGTGCTGCCGAGACACCTTACGCCGTGCCCT  
GTCCATCACAGGTAACCTCTCAGACACCAACTGCTGCCTGGATGCCATCTGTTACTACTACATGGCCAGA  
GAGTTCAGGAAGCGTCCAAGCCAGCCAGTCTTCCAACACACCCCAAGAGCCAAGATTCCCAGATCC  
TGACCTCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204323 protein sequence  
Red=Cloning site Green=Tags(s)

MNSTTCNSTLTWPASVNNFFIIYSALLLVGLLLNSVALWVFCYRMHQWTETRIYMTNLAVADLCLLCSL  
 PFVLYSLKYSSSDTPVCQLSQGIYLANRYMSISLVTAIAVDRYVAVRHPLRARELRSPRQAAAVCVLWV  
 IVVTSLVVRWRLGMQEGGFCFSSQTRRFSTTAFSLLGFYLP LAIVVFCSLQVVTVLSRRPAADVQAEA  
 TQKATHMVWANLAVFVICFLPLHVVLTVQVSLNLTCAARDTFSRALSITGKLSDTNCC LDAICYMMAR  
 EFQEASKPATSSNTPHKSQDSQILSLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001104529

**ORF Size:** 924 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\\_001104529.1](#), [NP\\_001097999.1](#)

**RefSeq Size:** 3997 bp

**RefSeq ORF:** 924 bp

**Locus ID:** 64095

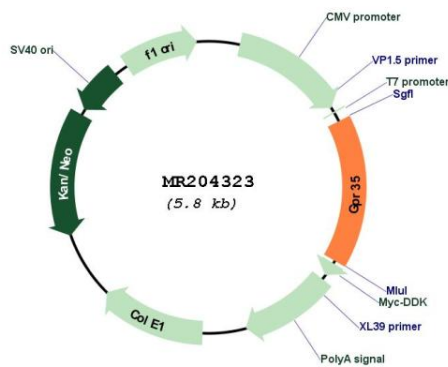
**UniProt ID:** [Q9ES90](#)

**Cytogenetics:** 1 D

**MW:** 34.2 kDa

**Gene Summary:** Acts as a receptor for kynurenic acid, an intermediate in the tryptophan metabolic pathway. The activity of this receptor is mediated by G-proteins that elicit calcium mobilization and inositol phosphate production through G(qi/o) proteins.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204323