

Product datasheet for **MR229141**

Gpr35 (NM_001271766) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr35 (NM_001271766) 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: >MR229141 representing NM_001271766
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAGTACAACCTGTAACAGCACCCCTCACGTGGCCTGCTCCGTCAACAACCTCTTCATCATCTACT
CAGCCTTGCTGCTGGTGTGGCCTGCTGCTCAACAGCGTGCCACTCTGGGTATTCTGCTATCGCATGCA
CCAGTGGACAGAGACCCGCATCTATATGACCAACCTGGCTGTGGCCGACCTCTGCCTGCTGCTCCTTG
CCATTTGTGCTGTAATCCCTGAAATATAGTTCTTCAGACACACCCGCTGCCAGCTCTCACAGGGCATCT
ACCTGGCCAACAGATACATGAGCATAAGCCTGGTCACTGCCATTGCTGTGGACCGCTATGTGGCAGTGCG
GCATCCCCTGCGTGCGCGTGAGCTGCGGTCCCCGAGACAGGCTGCAGCAGTGTGTGTGGCCCTTTGGGTG
ATAGTGGTCACTCCCTGGTAGTGCGCTGGCGCCTGGGGATGCAGGAGGGTGGCTTCTGCTTCAGCAGCC
AAACCCGGCGCAATTTACAGCACCCTGCCTTCTCACTGCTGGGATTCTACCTGCCGCTGGCCATCGTGGT
CTTCTGCTCTTTGCAGGTAGTACTGTGCTATCGAGAAGGCCAGCCGCTGATGTGGGGCAGGCAGAGGCC
ACCCAAAAGGCCACCCACATGGTCTGGGCAACTGGCTGTGTTGTGCTGCTTCTGCCCTTGATG
TGGTCTGACCGTGCAGGTCTCCCTGAACCTCAATACCTGTGCTGCCGAGACACCTTACGCCGTGCCCT
GTCCATCACAGGTAACCTCTCAGACACCAACTGCTGCCTGGATGCCATCTGTTACTACTACATGGCCAGA
GAGTTCAGGAAGCGTCCAAGCCAGCCAGTCTTCCAACACACCCACAAGAGCCAAGATTCCCAGATCC
TGACCTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229141 representing NM_001271766
Red=Cloning site Green=Tags(s)

MNSTTCNSTLTWPASVNNFFIIYSALLLVGLLLNSVALWVFCYRMHQWTETRIYMTNLAVADLCLLCSL
 PFVLYSLKYSSSDTPVCQLSQGIYLANRYMSISLVTAIIVDRYVAVRHPLRARELRSPRQAAAVCVLWV
 IVVTSLVVRWRLGMQEGGFCFSSQTRRFSTTAFSLLGFYLPALVVFCSLQVVTVLSRRPAADVQAEA
 TQKATHMVWANLAVFVICFLPLHVVLTVQVSLNLNTCAARDTFSRALSITGKLSDTNCC 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_001271766

ORF Size: 921 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_001271766.1](#), [NP_001258695.1](#)

RefSeq Size: 3936 bp

RefSeq ORF: 924 bp

Locus ID: 64095

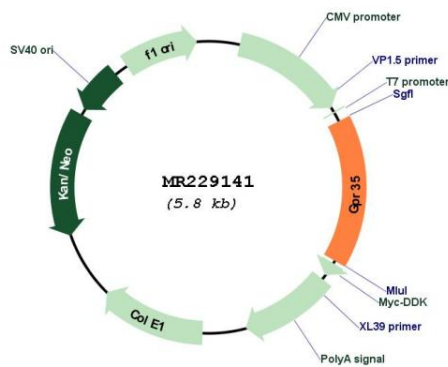
UniProt ID: [Q9ES90](#)

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 MR229141