

Product datasheet for **SC207135**

Metabotropic Glutamate Receptor 2 (GRM2) (NM_000839) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Metabotropic Glutamate Receptor 2 (GRM2) (NM_000839) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GRM2
Synonyms: GLUR2; GPRC1B; mGlu2; MGLUR2
ACCN: NM_000839
Insert Size: 531 bp
Insert Sequence: >SC207135 3'UTR clone of NM_000839
The sequence shown below is from the reference sequence of NM_000839. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGTGGACTCGACAACGTCATCGCTTTGAGACCCCATACTCCCGCCCTGACACAGCTGCTCCTGGGA
ACCTAGTGCAGACCCACGTCAGGGCCAGGAGGAAGTTGGCTGGAGCACTGCAATAATTTATTACCCAC
CCTATGTCTGCCCCAAAGTCACTTACCCACCTCCTTACCCAGCTCTTACAGACTCAGAAGTCAGGAGC
CTTGCCAGGAGCCTCTGCAGTGGCCACTAACTGCCCTTGAGCTGTGTTTCTCCTGGCCAGGCCAG
GGCTCAGAGAGGAGCAAGCCAGGGTTCCTCTGCCCTGGACCCGGGTGGCTGAGGACGGCAGGCCCCAG
TCCTAACCCAGCAAAGGTGCTTCCAGCCAGCCCTCCCCCAACTAGGGCCTTTTTTATTTTTATATA
AGTTACTCTGGGATGGGAGGGTGGTTATTGTGGGGCTGCCCTCCCCCTGCACAGTAGTTTGCCTG
TGGTTTTTTTGTATTACCTGTAATAAAGTGGCTTTATTTAAAAA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000839.5](#)



[View online >](#)

Summary:

L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2017]

Locus ID:

2912

MW:

19.6