

Product datasheet for **SC211486**

Metabotropic Glutamate Receptor 4 (GRM4) (NM_000841) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Metabotropic Glutamate Receptor 4 (GRM4) (NM_000841) Human 3' UTR Clone
Symbol:	Metabotropic Glutamate Receptor 4
Synonyms:	GPRC1D; mGlu4; MGLUR4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000841
Insert Size:	2000 bp



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Insert Sequence: >SC211486 3'UTR clone of NM_000841
The sequence shown below is from the reference sequence of NM_000841. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TACGTCACCTACACCAACCATGCAATCAGCGAGTCCATGGAGCTGAGCAGCAGGAGGAGGAGCCGTGA
CCCTGTGGAAGGTGCGTCGGGCCAGGGCCACACCAAGGGCCAGCTGTCTTGCCTGCCCGTGGGCACC
CACGGACGTGGCTTGGTCTGAGGATAGCAGAGCCCCAGCCATCACTGTGGCAGCCTGGGCAAACCG
GGTGAACAGGAGGACGAGGGCCGGGGCGGTGCCAGGCTACCACAAGAACCTGCGTCTTGGACCAT
TGCCCTCCCGCCCCAAACACAGGGGCTCAGGTCGTGTGGGCCCACTGCTAGATCTCTCCCTCCCT
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CCAGTGTCACTTTCTGCGGTTTTCTTTCTGTTCTCTCTGCTTCATTCTGTCAGCCATTGCTCCC
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CAAAACACAAAAAGCCAAAACGAAAAACAAATCTCGAGTGTGTTGCCAAGTGTGCGTCTCCTGGTGG
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CCTGCCCGCCCGTCTGCCGTCTGTCTTGGCCGCTGCCCGCCTGCCCTCCTGCCGACCACACGGAGT
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ATAGAGCCAGAAACACAATGAGGCCATAGGCAGCAGCTGGAGCCTGGGCTGCCTGTGCCGTCCCCTCCT
GCCCTGCCCTGGGTCTGCACCCCTCCACCTCCAGGCTAGCTGACAGCGCTATGGAGCACAGTGGA
AGGACTGGAGGAACCTAGGCAGGGGGCCACGAGGGACAGAGTATGAGAGTGTGTGTATAACTGAG
ACGCGTAAGCGGCCCGGCATCTAGATTCTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-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_000841.4](#)

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, Feb 2012]

Locus ID:

2914

MW:

71.2