

## Product datasheet for **SC213098**

### Metabotropic Glutamate Receptor 7 (GRM7) (NM\_181874) Human 3' UTR Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                                                                                                                                                                                                      |
| Product Name:             | Metabotropic Glutamate Receptor 7 (GRM7) (NM_181874) Human 3' UTR Clone                                                                                                                                                                            |
| Symbol:                   | Metabotropic Glutamate Receptor 7                                                                                                                                                                                                                  |
| Synonyms:                 | GLUR7; GPRC1G; MGLU7; MGLUR7; NEDSHBA; PPP1R87                                                                                                                                                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                           |
| Vector:                   | pMirTarget (PS100062)                                                                                                                                                                                                                              |
| ACCN:                     | NM_181874                                                                                                                                                                                                                                          |
| Insert Size:              | 1228 bp                                                                                                                                                                                                                                            |
| Insert Sequence:          | <p>&gt;SC213098 3'UTR clone of NM_181874</p> <p>The sequence shown below is from the reference sequence of NM_181874. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> |

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ACTTGGTACACTATCCACCAACAGTATAGCTTTTGAAGTCTTTCCCAAAGGCCCTGCTGCAAAAAAGA
AGTATGTCAGTTATAATAACCTGGTTATCTAACCTGTTCCATTCCATGGAACCATGGAGGAGGAAGACC
CTCAGTTATTTTGTACCCAACCTGGCATAGGACTCTTTGGTCTACCCGCTTCCCATCACCGGAGGAG
CTTCCCCGGCCGGGAGACCAGTGTAGAGGATCCAAGCGACCTAAACAGCTGCTTTATGAAATATCCTT
ACTTTATCTGGGCTTAATAAGTCACTGACATCAGCACTGCCAACTCGGCTGCAATTGTGGACCTTCCT
ACCAAAGGGAGTGTGAAACTCAAGTCCCGCCCTGGCTCTTTAGAATGGACCACTGAGAGCCACAGGAC
CGTTTTGGGGCTGACCTGTCTTATTACGTATGTACTTCTAGGTTGCAAGGTTTTGAAATTTCTGTACA
GTTTGTGAGGACCTTTGCACTTTGCCATCTGATGTGCTACCTCGGTTCACTGTTTGTTCGAATGCCT
TGTTTTCATAGAGCCCTATTCTCTCAGACGGTGAATATTTGGAAAAATTTTAAACAATTTAAATTTT
AAAGCAATCTTGGCAGACTAAACAAGTACATCTGTACATGACTGTATAATTACGATTATAGTACCACT
GCACATCATGTTTTTTTTTTTAAAGACAAAAAAGATGTTTAAAGACCAAAAAGTGTGCTGAGAAAGTATG
CCCCACCTATCTTTGGTATATGATAGGTTACATAAAAGGAAGGATTGGCTGAAGTGAATAGAGGTCTT
GATCTTTTGAATGCATGCCAGTAATGTATTTTACAGTACATGTTTATTATGTTCAATATTTGTATTTGT
GTTCTCTTTTGTATTTTAAATTAGGTATATGAATATTTTGAATAATTTTAAATTTAATTAAGCTGT
TTGAAGGAAAGAATATGGATTTTTCATGTCTTGAGGTTTTGTTTCATGCCCTTTGACTGATCAGTGTG
ATAAGGACTTTAGGAAAAAAGCATGTATGTTTTTACTGTTTGAATAAGTACTTTTCGTTAATCTTGC
TGCTTATGTGCCAATTTAGTGAAAAAACAACCTTGTGAAAAATTCCTCTTTCCATTCTCTTTCA
ATTCTGTGATATTGTCCAAGAATGTATCAATAAAATACTTTGGTTAACTTTTTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

```



[View online »](#)

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b> | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>OTI Disclaimer:</b>    | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Components:</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq:</b>            | <u><a href="#">NM_181874.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Summary:</b>           | L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it 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 three 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009] |
| <b>Locus ID:</b>          | 2917                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                | 47.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |