

Product datasheet for **RG201342**

5HT3A receptor (HTR3A) (NM_000869) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3A receptor (HTR3A) (NM_000869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	5HT3A receptor
Synonyms:	5-HT-3; 5-HT3A; 5-HT3R; 5HT3R; HTR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201342 representing NM_000869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCTGTGGGTCCAGCAGGCGCTGCTCGCCTTGCTCCTCCCACACTCTGGCACAGGGAGAAGCCA
 GGAGGAGCCGAAACACCACCAGGCCGCTCTGCTGAGGCTGTGCGATTACCTTTTGACCAACTACAGGAA
 GGGTGTGCGCCCCGTGAGGGACTGGAGGAAGCCAACCACCGTATCCATTGACGTATTGTCTATGCCATC
 CTCAACGTGGATGAGAAGAATCAGGTGCTGACCACCTACATCTGGTACCGGCAGTACTGGACTGATGAGT
 TTCTCCAGTGGAAACCCTGAGGACTTTGACAACATCACCAAGTTGTCCATCCCACGGACAGCATCTGGGT
 CCCGGACATTCTCATCAATGAGTTCGTGGATGTGGGGAAGTCTCCAAATATCCCGTACGTGTATATTCGG
 CATCAAGGCGAAGTTCAGAACTACAAGCCCCTTCAGGTGGTACTGCCTGTAGCCTCGACATCTACAAC
 TCCCCTTCGATGTCCAGAACTGCTCGTACCTTCACCAGTTGGTGCACACCATCCAGGACATCAACAT
 CTCTTTGTGGCGTTGCCAGAAAAGGTGAAATCCGACAGGAGTGTCTTCATGAACCAGGGAGAGTGGGAG
 TTGCTGGGGTGTGCCCCACTTTTCGGGAGTTCAGCATGGAAAGCAGTAACTACTATGCAGAAATGAAGT
 TCTATGTGGTATCCGCCGGCGGCCCTCTTCTATGTGGTCAGCCTGCTACTGCCAGCATCTTCTCAT
 GGTATGGACATCGTGGGCTTCTACCTGCCCCCAACAGTGGCGAGAGGGTCTCTTTCAAGATTACACTC
 TCCTGGGCTACTCGGTCTTCTGATCATCGTTTCTGACACGCTGCCGGCCACTGCCATCGGCACCTCTC
 TCATTGGTGTCTACTTTGTGGTGTGCATGGCTCTGCTGGTGATAAGTTTGGCCGAGACCATCTTATTGT
 GCGGCTGGTGCACAAGCAAGACCTGCAGCAGCCGTGCCTGCTTGGTGCCTCACCTGGTCTGGAGAGA
 ATCGCTGGTACTTTGCCTGAGGGAGCAGTCACTTCCCAGAGGCCCCAGCCACTCCCAAGCCACCA
 AGACTGATGACTGCTCAGCCATGGAAACCACTGCAGCCACATGGGAGGACCCAGGACTTCGAGAAGAG
 CCCGAGGACAGATGTAGCCCTCCCCACCACCTCGGGAGGCCTCGCTGGCGGTGTGTGGGCTGCTGCAG
 GAGCTGTCTCCATCCGCAATTCTGAAAAGCGGGATGAGATCCGAGAGGTGGCCGAGACTGGCTGC
 GCGTGGGCTCCGTGCTGGACAAGCTGCTATTCCACATTTACCTGCTGGCGGTGCTGGCCTACAGCATCAC
 CTGGTTATGCTCTGGTCCATCTGGCAGTACGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201342 representing NM_000869
 Red=Cloning site Green=Tags(s)

MLLWVQALLALLPTLLAQGEARRSRNTTRPALLRLSDYLLTNYRKGVPRVDRWRKPTTVSIDVIVYAI
 LNVDEKNQVLTTYIWYRQYWTDEFLQWNPEDFDNITKLSIPTDSIWVPDILINEFVDVGKSPNIPYVYIR
 HQGEVQNYKPLQVVTACSLDIYNFPFDVQNCSLTFTSWLHTIQDINISLWRLPEKVKSDRSVFMNQGEWE
 LLGVLPYFREFSMESSNYAEMKFYVYVIRRRPLFYVVSLLLPSIFLMVMDIVGFYLPNSGERVSFKITL
 LLGYSVFLIIVSDTLPATAIGTPLIGVYFVVMALLVISLAETIFIVRLVHKQDLQQPVPALRHLVLER
 IAWLLCLREQSTSQRPPATSQATKTDDCSAMGNHCSHMGGPQDFEKSPDRCSPPPPPREASLAVCGLLQ
 ELSIRIQFLEKRDEIREVARDWLRVGSVLDKLLFHIYLLAVLAYSITLVMLWSIWQYA

TRTRPLE - GFP Tag - V

Restriction Sites:

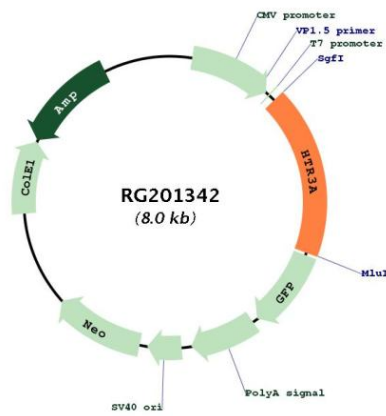
Sgfl-MluI

Cytogenetics: 11q23.2

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Gene Summary: The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201342