

## Product datasheet for RC210367

### 5HT4 Receptor (HTR4) (NM\_000870) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5HT4 Receptor (HTR4) (NM_000870) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5HT4 Receptor
Synonyms:	5-HT4; 5-HT4R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210367 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAACTTGATGCTAATGTGAGTTCTGAGGAGGTTTCGGGTCAGTGGAGAAGGTGGTGCTGCTCA  
CGTTTCTCTCGACGGTTATCCTGATGGCCATCTGGGGAACCTGCTGGTATGGTGGCTGTGTGCTGGGA  
CAGGCAGCTCAGGAAAAATAAAACAAATTATTTTCATTGTATCTCTTGCTTTTGCGGATCTGCTGGTTTCG  
GTGCTGGTATGCCCTTTGGTGCCATTGAGCTGGTTCAAGACATCTGGATTTATGGGAGGTGTTTTGTC  
TTGTTCCGACATCTCTGGACGCTCTGCTCACACGGCATCGATTTTTCACCTGTGCTGCATTCTCTGGA  
TAGGTATTACCCATCTGCTGCCAGCCTTTGGTCTATAGGAACAAGATGACCCCTCTGCGCATCGCATT  
ATGCTGGGAGGCTGCTGGGTCATCCCCACGTTTATTTCTTTCTCCCTATAATGCAAGGCTGGAATAACA  
TTGGCATAAATGATTTGATAGAAAAGAGGAAGTTCAACCAGAAGCTAACTCTACGTACTGTGTCTTCAT  
GGTCAACAAGCCCTACGCCATCACCTGCTCTGTGGTGGCCTTCTACATCCCATTCTCTCATGGTGCTG  
GCCTATTACCGCATCTATGTCACAGCTAAGGAGCATGCCATCAGATCCAGATGTTACAACGGGCAGGAG  
CCTCCTCCGAGAGCAGGCCTCAGTCGGCAGACCAGCATAGCACTCATCGCATGAGGACAGAGACCAAAGC  
AGCCAAGACCCTGTGCATCATCATGGGTTGCTTCTGCCTCTGCTGGCACCATTCTTTGTACCAATATT  
GTGGATCCTTTATAGACTACACTGTCCCTGGCAGGTGTGGACTGCTTTCTCTGGCTCGGCTATATCA  
ATTCCGGTTGAACCTTTTCTCTACGCCTTCTTGAATAAGTCTTTTAGACGTGCCTTCTCATCATCCT  
CTGCTGTGATGATGAGCGCTACCGAAGACCTTCCATTCTGGCCAGACTGTCCCTTGTTCACCAACAACC  
ATTAATGGATCCACATGTACTAAGGGATGCAGTGGAGTGTGGTGGCCAGTGGGAGAGTCAGTGTCAACC  
CGCCAGCAACTTCTCCTTTGGTGCTGCTCAGCCAGTGACACT

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_000870.7](#)

**RefSeq Size:** 3331 bp

**RefSeq ORF:** 1167 bp

**Locus ID:** 3360

**UniProt ID:** [Q13639](#)

**Cytogenetics:** 5q32

**Domains:** 7tm\_1

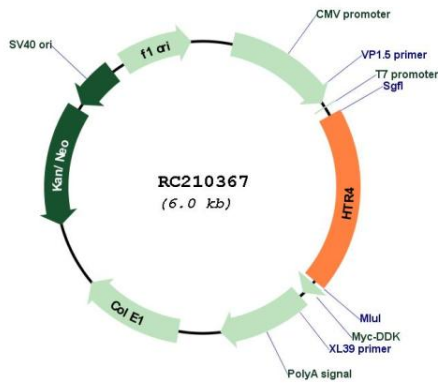
**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction

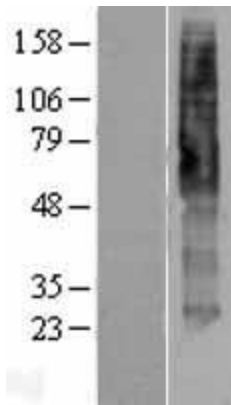
**MW:** 43.8 kDa

**Gene Summary:** This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010]

Product images:



Circular map for RC210367



Western blot validation of overexpression lysate (Cat# [LY421709]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217913] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).