

Product datasheet for **RG214767**

HTR3C (NM_130770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTR3C (NM_130770) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HTR3C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214767 representing NM_130770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGAGGGTGGCCTGCAAGGCAGAGTGCCCTCCTCTGCCTCACTGTCACTTCTGCTTCAAGGAA
GAGGCGACGCTTTTACCATCAATTGCTCAGGCTTTGACCAGCATGGGGTTGACCCGTGTCTTCCAAGC
AGTGTTTGACAGAAAGGCCTTCCGTCCATTCACCAACTACAGCATCCCTACCCGTGTCAACATCTCCTTC
ACCCGTCTGCCATCCTGGGAGTGGATGCACAGCTCCAGCTGACATCATTCTGTGGATGGATTGG
TATGGGACAATCCTTTTCAATTAATTGGAACCCAAAAGAGTGTGTTGGCATCAATAAACTCACAGATTAGC
TGAAAACCTGTGGCTCCCAGACATCTTCATCGTGGAAATCCATGGATGTGGATCAGACGCCTTCCGGTCTC
ACTGCCTATATCAGCAGTGAAGGTCGAATTAAGTATGATAAGCCAATGAGGGTGACCAGCATCTGTAACC
TGGACATCTTCTACTTCCCTTTTGACCAACAGAACTGTACCTTACCTTCAGTTCTTTCTCTACACAGT
GGACAGCATGCTGCTGGGCATGGACAAGGAGGTGTGGGAGATCACAGACACGTCTCGAAAAGTCATCCAA
ACCCAGGGGGAGTGGGAGCTCTTGGGCATCAACAAGGCCACCCCAAAGATGTCCATGGGCAACAACCTAT
ATGACCAGATCATGTTTTATGTGGCCATCAGGCGCAGGCCAAGCCTCTACATCATAAACCTGCTGGTGCC
CAGTAGCTTTCTGGTTGCCATTGATGCCCTCAGCTTCTACCTGCCAGCAGAGAGCGAGAATCGTGCCCA
TTCAAGATAACACTTCTGCTGGGCTACAACGTCTTCTGCTCATGATGAATGACTTGCTCCCTGCCAGTG
GCACCCCTCATCAGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGTCAGCTGTGGAGACCGT
CTTCATTACCTACCTGCTGCACGTGGCCACCACCCAGCCCCACCCATGCCTAGGTGGCTTCACTCCCTG
CTGCTCCACTGCACCAGCCCAGGGAGATGCTGTCCCACTGCGCCCCAGAAGGGAAATAAGGGCTGGGT
TCACCCCTCACCCACCTGCCTGGCCAAAGGAGCCGGGGGAGTTAGCAGGGGAAGAGCTGGGACCCAGAGA
GACCGAGCCAGATGGGGCTCAGGATGGACAAAGACCCAGCTAATGGAGCTGTGGGTGCAGTTACGCCAC
GCGATGGACACCCTGCTCTCCGCCTCTACCTGCTTTCATGGCTCCTCCATCCTTACTGTCATTGTCC
TCTGGAACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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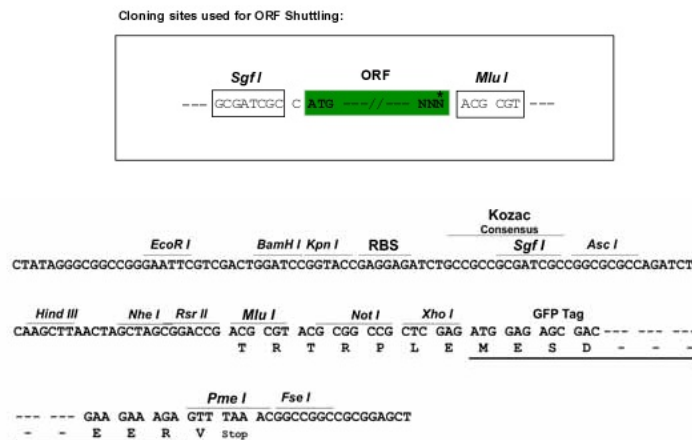
Protein Sequence: >RG214767 representing NM_130770
Red=Cloning site Green=Tags(s)

MEGGWPARQSALLCLTVSLLLQGRGDAFTINCSGFDQHGVDPAVFQAVFDRKAFRPFTNYSIPTRVNISF
 TLSAILGVDAQLQLLSFLWMDLVWDNPFINWNPKECVGINKLTVLAENLWLPDIFIVESMDVDQTPSGL
 TAYISSEGRIKYDKPMRVTSICNLDIFYFPFDQQNCTFTFSSFLYTVDSMLLGMDKEVWEITDTSRKVIQ
 TQGEWELLGINKATPKMSMGNNLYDQIMFYVAIRRRPSLYIINLLVPSSFLVAIDALSFYLPASENRPAP
 FKITLLLLGYNVFLMMNDLLPASGTPLISVYFALCLSLMVVSLLETVFITYLLHVATTQPPMPRWLHSL
 LLHCTSPGRCCPTAPQKGNKGLGLTLTHLPGPKEPGEKLAGKKGPRETEPDGGSGWTKTQLMELWVQFSH
 AMDTLLFRLYLLFMASILTIVILWNT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_130770

ORF Size: 1341 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_130770.3](#)

RefSeq Size: 1745 bp

RefSeq ORF: 1344 bp

Locus ID: 170572

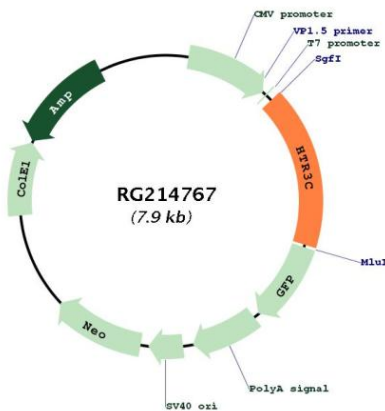
UniProt ID: [Q8WXA8](#)

Cytogenetics: 3q27.1

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 C 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. Genes encoding subunits C, D and E form a cluster on chromosome 3. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214767