

Product datasheet for **RG217765**

HTR3B (NM_006028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTR3B (NM_006028) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HTR3B
Synonyms:	5-HT3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217765 representing NM_006028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGTCAAGTGAATGGCTCCCCTGTGGCCTGCATCCTGGTGGCTGCAGGAATTCTAGCCACAGATA
CACATCATCCCCAGGATTCTGCTCTGTATCATCTCAGCAAGCAGCTATTACAGAAATATCATAAAGAAGT
GAGACCTGTTTACAACCTGGACCAAGGCCACCACAGTCTACCTGGACCTGTTTCGTCATGCTATATTGGAT
GTGGATGCAGAGAATCAAATATTAAGACAAGTGTATGGTACCAAGAGGCTGGAATGATGAATTTTTAT
CCTGGAACCTCCAGCATGTTTGTGAGATTAGAGAGATCTCCCTACCTCTAAGTGCCATCTGGCCCCGA
TATCATCATCAATGAGTTTGTGGACATTGAAAGATACCCTGACCTCCCTATGTTTATGTGAACTCATCT
GGGACCATTGAGAACTATAAGCCATCCAGGTGGTCTCTGCGTGCAGTTTAGAGACATATGCTTTTCCAT
TTGATGTCCAGAATTGCAGCCTGACCTTCAAGAGCATTCTGCATACAGTGAAGAGCTAGACCTGGCCTT
TCTGAGGAGCCCAGAAGACATTCAGCATGACAAAAAGGCGTTTTTGAATGACAGTGAAGGAACTTCTA
TCTGTGCTCCTCCACATACAGCATCCTGCAGAGCAGCGTGGAGGATTTGCACAGATTCAAGTTAATGTGG
TGATGCGCAGGCACCCCTGGTCTATGTCGTGAGTCTGCTGATTCTAGCATCTTCTCATGCTGGTGGG
CCTGGGAGCTTCTACCTGCCACCAACTGCCGAGCCAGGATTGTGTTCAAGACCAGTGTGCTGGTGGG
TACACCGTCTTCAGGGTCAACATGTCCAACAGGTGCCACGGAGTGTAGGGAGCACCCCTGATTGGG
ACTTCTTACCATCTGCATGGCCTTCTTGGTTCTCAGCTTAGCTAAGTCCATCGTGTGGTCAAATTCCT
CCATGATGAGCAGCGTGGTGGACAGGAGCAGCCCTTCTTGTGCCTTCGAGGGGACACCGATGCTGACAGG
CCTAGAGTGAACCCAGGGCCCAACGTGCTGTGGTAAACAGAGTCTCGCTGTATGGAGAGCACCTGGCCC
AGCCAGGAACCCGAAGGAAGTCTGGTCGAGCTTCAATCTATCAGCAACTACCTCCAAACTCAGGACCA
GACAGACCAACAGGAGGCAGAGTGGCTGGTCTCCTGTCCCGCTTGGACCGACTGCTCTTCAAAGCTAC
CTTTTCATGCTGGGGATCTACCATCACTCTGTGCTCCCTCTGGGCACTGTGGGCGCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217765 representing NM_006028
 Red=Cloning site Green=Tags(s)

MLSSVMAPLWACILVAAGILATDTHHPQDSALYHLSKQLLQKYHKEVRPVYNWTKATTVYLDL FVHAILD
 VDAENQILKTSVWYQEVWNEFLSWNSSMFDEIREISLPLSAIWAPDIIINEFVDIERYPDLPYVYVNSS
 GTIENYKPIQVVSACSLETYAFPFDVQNCSTFKSILHTVEDVDLAFLRSPEDIQHDKKAFLNDSEWELL
 SVSSTYSILQSSAGGFAQIQFNVMRRHPLVYVVSLLIPSIIFLMLVDLGSFYLPNCRARIVFKTSVLVG
 YTVFRVMSNQVPRSVGSTPLIGHFFTICMAFLVLSLAKSIVLVKFLHDEQRGGQEPFLCLRGDTDADR
 PRVEPRAQRAVVTESLYGEHLAQPGTLKEVWSQLQSI SNYLQTQDQTDQQAELVLLSRFDRLLFQSY
 LFMLGIYTITLCSLWALWGGV

TRTRPLE - GFP Tag - V

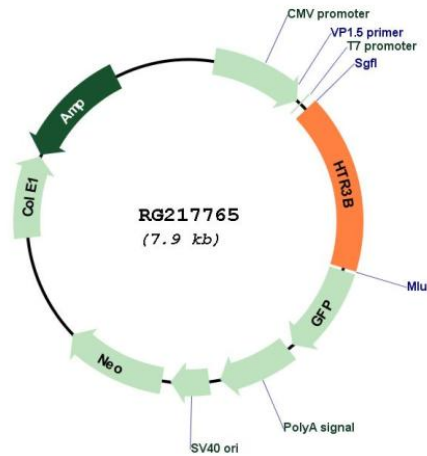
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_006028

ORF Size:	1323 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_006028.4
RefSeq Size:	1847 bp
RefSeq ORF:	1326 bp
Locus ID:	9177
UniProt ID:	O95264
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 B 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 is not functional as a homomeric complex, but a pentaheteromeric complex with subunit A (HTR3A) displays the full functional features of this receptor. [provided by RefSeq, Aug 2011]