

Product datasheet for **RG228368**

HTR3D (NM_001163646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTR3D (NM_001163646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HTR3D
Synonyms:	5HT3D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG228368 representing NM_001163646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAAACACTCTCCAGGCCCCAGCCCTGGCCCTCCTCTCTCAGTCTCTGCTCACTACAGGAAATG
 GCGACACTTTGATTATCAATTGCCCAGGCTTTGGCCAGCACAGGGTGGACCCTGCAGCCTTTCAAGCAGT
 GTTTGACAGAAAGGCTATTGGTCCAGTACCAACTACAGTGTCCGCACTCATGTCAACATCTCCTTCACC
 TTGTCTGCCATCTGGAAGTCTATTCCAGGATTCACACCTTCAACTGCCACCATGCCCGGCTTGGCACA
 ATCAATTTGTGCAGTGGAAACCAGATGAATGCGGAGGCATCAAGAAGTCCGGCATGGCAACTGAGAACCT
 ATGGCTTTCAGATGTCTTCATCGAGGAGTCTGTGGATCAGACACCTGCAGGTCTCATGGCTAGTATGTCA
 ATAGTGAAGGCCACATCAAACACAATAAGCCAATGTGGTGGTGCAGCATCTGCAAACTGGACACCTTCTA
 TTTCCCTTCCATGGACAGAGCCCGGCATGGAGAAGGATGTCCAGGAGCTTTCAAATACATCACAGAAC
 CTATTGAGAACAAGGAGGGAGTGGTACTGCTGGGTATCAAAAAAGAACAATAAAGGTGACCGTGGCC
 ACTAACAGTATGAACAAGCCATCTTCCATGTGGCCATCAGGCGCAGGTGCAAGGCCAGCCCTACGTGG
 TAAACTTTCTGGTGCCAGTGGCATTCTGATTGCCATCGATGCCCTCAGTTTCTACCTGCCACTGGAAAG
 TGGGAATTGTGCCCATCAAGATGACTGTTCTGCTGGGCTACAGCGTCTTCTGCTCATGATGAATGAC
 TTGCTCCAGCCACTAGCACTTCATCACATGCTTCACTAGTGGCGCTCTGGCCCTCATGCAGACCCCT
 TGCTGCAGGTGTCTACTTCGCCTGTGCCTGTCCCTGATGGTGGGCAGCCTGCTGGAGACCATCTTCAT
 CACCCACCTGCTGCAGTGGCCACCACCAGCCCTACCTTGCCTCGGTGGTCCACTCCCTGCTGCTG
 CACTGCCACCGCAAGGGAGATGCTGTCCACTGCGCCCAAGGAAATAAAGGCCCGGGTCTCACCC
 CCACCCACCTGCCGGTGTGAAGGAGCCAGAGGTATCAGCAGGGCAGATGCCAGGCCCTGGGGAGGCAGA
 GCTGACAGGGGGCTCAGAATGGACAAGGCCAGCGGGAACACGAGGCCAGAAGCAGCACTCGGTGGAG
 CTGTGGGTGCAGTTCAGCCACGCGATGGACGCCCTGCTCTCCGCTCTACCTGCTCTTCATGGCCTCT
 CCATCATCACCGTCATATGCCTCTGGAACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228368 representing NM_001163646
 Red=Cloning site Green=Tags(s)

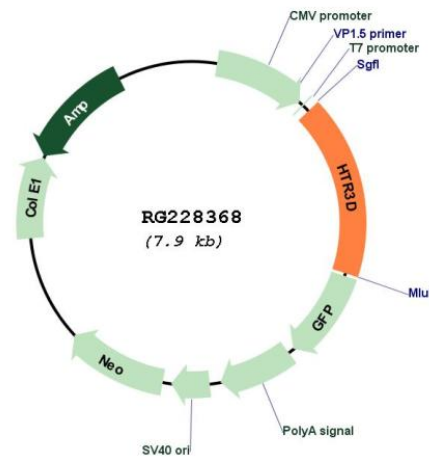
MQKHSPGPPALALLSQSLLTTGNGDTLIINCPGFGQHRVDPAAFQAVFDRKAIGPVTNYSVATHVNISFT
 LSAIWNCYSRIHTFNCHHARPWHNQFVQWNPDECGGIKSGMATENLWLSDFIEESVDQTPAGLMASMS
 IVKATSNTISQCGWSASANWTPSISPSMDRARAWRRMSRSFQIHHRTSFRTTRREWVLLGIQKRTIKVTV
 TNQYEQAIHFVAIRRRRCRPSYVFNFLVPSGILIAIDALSFYLPLESGNCAPFKMTVLLGYSVFLMMND
 LLPATSTSSHASLVAPLALMQTPLPAGVYFALCLSLMVGSLLETIFITHLLHVATTQPLPLRWLHLLLL
 HCTGQGRCCPTAPQKGNKGPGLTPTHLPVKEPEVSAGQMPGPGEAELTGGSEWTRAQREHEAQKQHSVE
 LWVQFSHAMDALLFRLYLLFMASSIITVICLWNT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001163646

ORF Size: 1362 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:	<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_001163646.2
RefSeq Size:	1786 bp
RefSeq ORF:	1365 bp
Locus ID:	200909
UniProt ID:	Q70Z44
Cytogenetics:	3q27.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Gene Summary:	The protein encoded this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit D of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a mitogen and a hormone. This hormone has been linked to neuropsychiatric disorders, including anxiety, depression, and migraine. Serotonin receptors causes fast and depolarizing responses in neurons following activation. The genes encoding subunits C, D and E of this type 3 receptor form a cluster on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]