

Product datasheet for **RC202862L4V**

HTR1D (NM_000864) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | HTR1D (NM_000864) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | HTR1D |
| Synonyms: | 5-HT1D; HT1DA; HTR1DA; HTRL; RDC4 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000864 |
| ORF Size: | 1131 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202862). |
| 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. |
| RefSeq: | NM_000864.3 , NP_000855.1 |
| RefSeq Size: | 2857 bp |
| RefSeq ORF: | 1134 bp |
| Locus ID: | 3352 |
| UniProt ID: | P28221 |
| Cytogenetics: | 1p36.12 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Neuroactive ligand-receptor interaction |



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MW: 41.9 kDa

Gene Summary: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Regulates the release of 5-hydroxytryptamine in the brain, and thereby affects neural activity. May also play a role in regulating the release of other neurotransmitters. May play a role in vasoconstriction.[UniProtKB/Swiss-Prot Function]