

## Recombinant Human HTR3D Transmembrane protein (221-454 aa), His-SUMO-tagged

**Cat. No.** HTR3D-2713H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HTR3D Protein (221-454 aa) is produced by in vitro E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal.                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 221-454aa                                                                                                                                                                                                                                                   |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>            |
| <b>Molecular Mass</b>   | 41.5kDa                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | VAIRRRRCRSPYVVNFLVPSGILIAIDALSFYLPLESGNCAPFKMTVLLGYSVFLLMMN<br>DLLPATSTSSHASLVAPLALMQTLPAGVYFALCLSLMVGSLLLETIFITHLLHVATTQP<br>LPLPRWLHSLLLHCTGQGRCCPTAPQKGNKGPGLTPTHLPGVKEPEVSAGQMPGP<br>GEALTTGGSEWTRAQREHEAQKQHSVELWVQFSHAMDALLFRLLYLLFMASIIITVIC<br>LWNT |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                 |

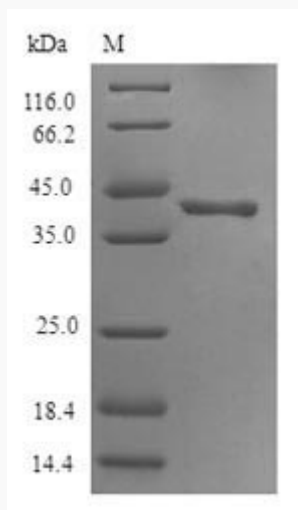
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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | HTR3D 5-hydroxytryptamine (serotonin) receptor 3D, ionotropic [ Homo sapiens ]                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | HTR3D                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | HTR3D; 5-hydroxytryptamine (serotonin) receptor 3D, ionotropic; 5 hydroxytryptamine (serotonin) receptor 3 family member D; 5-hydroxytryptamine receptor 3D; serotonin receptor 3D; serotonin 5-HT-3D receptor; 5-hydroxytryptamine receptor 3 subunit D; 5-hydroxytryptamine (serotonin) receptor 3 family member D; 5HT3D; MGC119636; MGC119637; |
| <b>Gene ID</b>          | 200909                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_001145143                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001138615                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 610122                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | Q70Z44                                                                                                                                                                                                                                                                                                                                             |

**SDS-PAGE**



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