

PRODUCT INFORMATION

HTR4 **Target**

5-HT4, 5-HT4R, Serotonin receptor 4, 5-**Synonyms**

hydroxytryptamine receptor 4

Recombinant human HTR4 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q13639 **Expression Host** HEK293

Tag C-Human Fc tag

Molecular

Purity

Background

HTR4(Met1-Lys19) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 28.2 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

HTR4 (5-HT4 / Serotonin receptor 4) is a G-protein coupled receptor (GPCR) primarily expressed in the central nervous system, gastrointestinal tract, and heart. It couples to Gs proteins, activating adenylyl cyclase and increasing intracellular cAMP, thereby modulating neuronal signaling, gut motility, and cardiac function. HTR4 plays a role in cognition, memory, gastrointestinal motility,

and cardiovascular regulation. Dysregulation is associated with irritable bowel syndrome, gastrointestinal disorders, and neuropsychiatric conditions, making it a potential therapeutic

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target.

Usage Research use only

Conjugate Unconjugated

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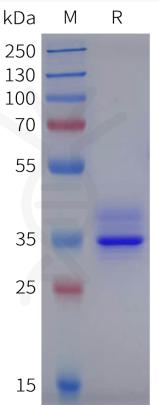


Figure 1. Human HTR4 Protein, hFc Tag on SDS-PAGE under reducing condition.



