

PRODUCT INFORMATION

Target	HTR4
Synonyms	5-HT4, 5-HT4R, Serotonin receptor 4, 5-hydroxytryptamine receptor 4
Description	Recombinant human HTR4 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q13639
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	HTR4(Met1-Lys19) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.2 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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 target.
Usage	Research use only
Conjugate	Unconjugated



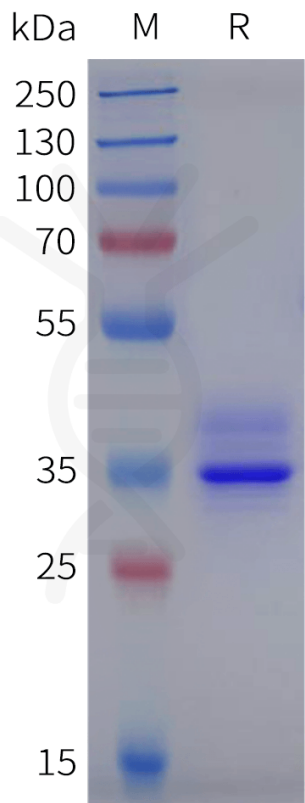


Figure 1. Human HTR4 Protein, hFc Tag on SDS-PAGE under reducing condition.

