

PRODUCT INFORMATION

Target HTR6

Synonyms 5-HT6; 5-HT6R

Recombinant human HTR6 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P50406 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

HTR6(Met1-Gly27) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 28.6 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 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution

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 at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

HTR6 encodes the 5-hydroxytryptamine (serotonin) receptor 6, a G-protein coupled receptor (GPCR) that primarily couples to Gs proteins, leading to activation of adenylyl cyclase and elevation of introduction of activation mainly expressed in the central nervous system, particularly in the striatum, cortex, hippocampus,

and olfactory tubercle, where it modulates cholinergic, dopaminergic, and glutamatergic neurotransmission. HTR6 plays important roles in **Background**

cognition, learning, memory, and mood regulation. Dysregulation of HTR6 signaling has

been implicated in Alzheimer's disease, schizophrenia, and cognitive impairment, making

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it a potential therapeutic target for neuropsychiatric and neurodegenerative

disorders.

Usage Research use only

Conjugate Unconjugated





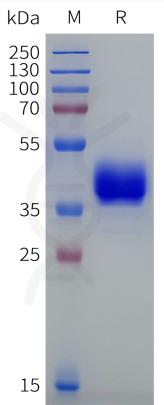


Figure 1. Human HTR6 Protein, hFc Tag on SDS-PAGE under reducing condition.

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