PRODUCT INFORMATION

Target	HTR6
Synonyms	5-HT6; 5-HT6R
Description	Recombinant human HTR6 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P50406
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	HTR6(Met1-Gly27) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.6 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	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 intracellular cAMP levels. It is 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 cognition, learning, memory, and mood regulation. Dysregulation of HTR6 signaling has been implicated in Alzheimer's disease, schizophrenia, and cognitive impairment, making it a potential therapeutic target for neuropsychiatric and neurodegenerative disorders.
Usage	Research use only
Conjugate	Unconjugated

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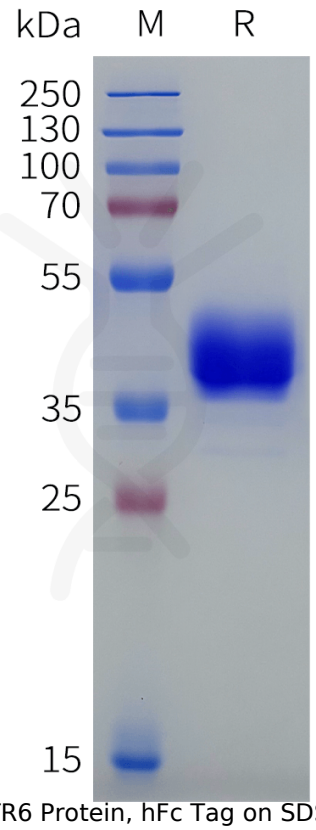

Figure 1. Human HTR6 Protein, hFc Tag on SDS-PAGE under reducing condition.

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