

PRODUCT INFORMATION

HTR1B **Target**

5-HT1B, 5-HT1BR, Serotonin receptor 1B, 5-**Synonyms**

hydroxytryptamine receptor 1B

Recombinant human HTR1B Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P28222 **Expression Host** HFK293

Tag C-Human Fc tag

Molecular

Purity

Background

HTR1B(Met1-Leu46) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 31.0 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

témperature.

HTR1B (5-HT1B / Serotonin receptor 1B) is a G-protein coupled receptor (GPCR) primarily expressed in the central nervous system, including the basal ganglia, cortex, and hippocampus. It couples to Gi/o proteins, inhibiting adenylyl cyclase and reducing intracellular cAMP, while modulating MAPK signaling. HTR1B regulates neurotransmitter

release, mood, aggression, and vascular tone. Dysregulation is linked to migraine, depression anxiety, and psychiatric disorders, making HTR1B a relevant therapeutic target in neuropsychiatric

and vascular conditions.

Usage Research use only

Conjugate Unconjugated







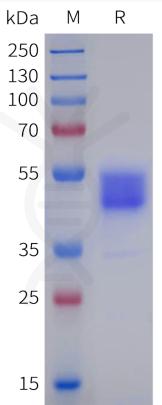


Figure 1. Human HTR1B Protein, hFc Tag on SDS-PAGE under reducing condition.



