

PRODUCT INFORMATION

DRD1 **Target**

DRD1, D1R, D1A, Dopamine receptor D1A, **Synonyms**

Dopamine receptor, type 1, DRD1A

Recombinant human DRD1 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock P21728 **Uniprot ID Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

DRD1(Met1-Arg23) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 28.7 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.

DRD1 (Dopamine receptor D1) is a G-protein coupled receptor (GPCR) that primarily couples to Gs proteins, activating adenylyl cyclase and increasing cAMP levels. It is highly expressed in the central nervous system, especially in the striatum and cortex, where it regulates motor

control, cognition, reward, and learning. Dysregulation is linked to neurological and

psychiatric disorders.

Research use only Usage Conjugate Unconjugated







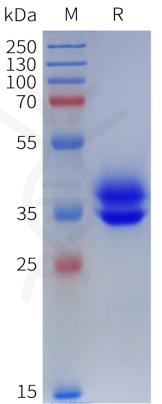


Figure 1. Human DRD1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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