

## **PRODUCT INFORMATION**

DRD3 **Target** 

DRD3, D3R, D3, Dopamine receptor D3, **Synonyms** 

Dopamine D3 receptor

Recombinant human DRD3 Protein with C-**Description** 

terminal human Fc tag

Delivery In Stock P35462 **Uniprot ID Expression Host HEK293** 

Tag C-Human Fc tag

Molecular

**Purity** 

**Background** 

DRD3(Met1-Ala30) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 29.2 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.

DRD3 (Dopamine receptor D3) is a G-protein coupled receptor (GPCR) that primarily couples to Gi/o proteins, inhibiting adenylyl cyclase and decreasing intracellular cAMP. It is predominantly expressed in the limbic regions of the brain, including the nucleus accumbens and olfactory tubercle, where it regulates reward, emotion, cognition, and motor control. DRD3 plays a role in

neuropsychiatric disorders such as schizophrenia, Parkinson's disease, and addiction, making it a potential therapeutic target for psychiatric and

> Email: info@dimabio.com Website: www.dimabio.com

neurological conditions

Usage Research use only

Conjugate Unconjugated



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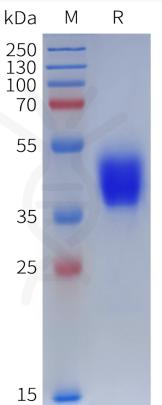


Figure 1. Human DRD3 Protein, hFc Tag on SDS-PAGE under reducing condition.

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