

## PRODUCT INFORMATION

<b>Target</b>	DRD3
<b>Synonyms</b>	DRD3, D3R, D3, Dopamine receptor D3, Dopamine D3 receptor
<b>Description</b>	Recombinant human DRD3 Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P35462
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	DRD3(Met1-Ala30) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 29.2 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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 neurological conditions
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





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

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