PRODUCT INFORMATION

Target	DRD4
Synonyms	DRD4, D4R, Dopamine receptor D4, Dopamine D4 receptor, D4
Description	Recombinant human DRD4 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P21917
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	DRD4(Met1-Gly29) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.7 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	DRD4 (Dopamine receptor D4) is a G-protein coupled receptor (GPCR) that primarily couples to Gi/o proteins, inhibiting adenylyl cyclase and reducing intracellular cAMP. It is mainly expressed in prefrontal cortex, limbic system, and retina, where it modulates cognition, attention, emotion, and behavioral flexibility. Polymorphisms in DRD4 are associated with attention-deficit hyperactivity disorder (ADHD), novelty-seeking behavior, and susceptibility to psychiatric disorders, making it a relevant therapeutic and research target in neuroscience.
Usage	Research use only
Conjugate	Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

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

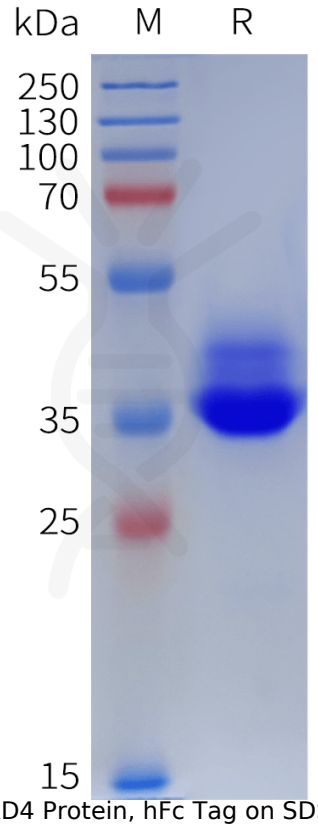

Figure 1. Human DRD4 Protein, hFc Tag on SDS-PAGE under reducing condition.

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

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