

Datasheet for ABIN7596707

Dopamine d2 Receptor Protein (DYKDDDDK Tag, Strep Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	Dopamine d2 Receptor (DRD2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Dopamine d2 Receptor protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human DRD2-Strep full length protein-synthetic nanodisc
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Target Details

Target:	Dopamine d2 Receptor (DRD2)
Alternative Name:	DRD2 (DRD2 Products)
Background:	<p>D2DR, D2R</p> <p>This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia, other mutations have been associated with schizophrenia.</p> <p>Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing.</p>

Target Details

Molecular Weight:	The human full length DRD2-Strep protein has a MW of 50.6 kDa
UniProt:	P14416
Pathways:	Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , cAMP Metabolic Process , Inositol Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling , Feeding Behaviour , Negative Regulation of Transporter Activity , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Comment:	<p>Advantages:</p> <ul style="list-style-type: none">• Highly purified membrane proteins• High solubility in aqueous solutions• High stability• Proteins are in a native membrane environment and remain biologically active• No detergent and can be used for cell-based assays• No MSP backbone proteins• Mammalian cell expression system ensures post- translational modifications
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months