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# Product Information

## NativeExtract™ Human DRD1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX284**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human DRD1 protein in native nanodisc form. The synthetic compound we developed can solubilize the DRD1 protein from membrane while retaining the native structure.

## Product Specifications

**Host Species**
Human

**Target Protein**
DRD1

**Protein Length**
Full length

**Molecular Weight**
49.3kDa

**Sequence**
Accession # P21728

## Product Description

**Activity**
Yes

**Application**
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

**Expression Systems**
HEK293 expression system

**Tag**
Flag tag at the C-terminus

**Protein Format**
Native Nanodisc

**Form**
Liquid

**Buffer**

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

**Storage**

The product should be stored at -20°C to -80°C.

## Target

**Target Protein**

DRD1

**Full Name**

Dopamine receptor D1

**Introduction**

This gene encodes the D1 subtype of the dopamine receptor. The D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, mediate some behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcription initiation sites result in two transcript variants of this gene.

**Alternative Names**

DADR; DRD1A; D(1A) dopamine receptor; dopamine D1 receptor; DRD1; Dopamine receptor D1

**Gene ID**

1812

**UniProt ID**

P21728

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