

## Product Information

### **MemDX™ Membrane Protein Human DRD1 (Dopamine receptor D1) Expressed in *E.coli* with 6xHis tag at the N-terminus for Antibody Discovery, Partial (338-446aa)**

Cat. No.: **MPX4159K**

This product is for research use only and is not intended for diagnostic use.

This product is a 17.8 kDa Human DRD1 membrane protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### **Host Species**

Human

##### **Target Protein**

DRD1

##### **Protein Length**

Partial (338-446aa)

##### **Protein Class**

GPCR

##### **Molecular Weight**

17.8 kDa

##### **TMD**

7

##### **Sequence**

RKAFSTLLGCYRLCPATNNAIETVSINNNGAAMFSSHHEPRGSISKECNLVYLIPHAVGSSSEDLKKEEAAGIARPLEKLSPALSVILDY

#### Product Description

##### **Expression Systems**

*E.coli*

##### **Tag**

6xHis tag at the N-terminus

##### **Protein Format**

Soluble

##### **Form**

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**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](#)