

Product Information

MemDX™ Membrane Protein Human DRD1 (Dopamine receptor D1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX4064K**

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

This product is a Human DRD1 membrane protein expressed *in vitro* *E.coli* expression system. 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

Full Length

Protein Class

GPCR

TMD

7

Sequence

MRTLNTSAMDGTGLVVERDFSVRILTACFLSLLILSTLLGNTLVCAAVIRFRHLRSKVTNFFVISLAVSDLLVAVLVMPWKAVAEIAGFV

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

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

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

Gene ID

[1812](#)

UniProt ID

[P21728](#)