

Product Information

MemDX™ Membrane Protein Human DRD5 (Dopamine receptor D5) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3605K**

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

This product is a Human DRD5 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

DRD5

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MLPPGSNGTAYPGQFALYQQQLAQGNAVGGSAGAPPLGPSQVTACLLTLIWTLLGNVLVCAAIVRSRHLRANMTNVFIVSLAVSD

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

DRD5

Full Name

Dopamine receptor D5

Introduction

This gene encodes the D5 subtype of the dopamine receptor. The D5 subtype is a G-protein coupled receptor which stimulates adenylyl cyclase. This receptor is expressed in neurons in the limbic regions of the brain. It has a 10-fold higher affinity for dopamine than the D1 subtype. Pseudogenes related to this gene reside on chromosomes 1 and 2.

Alternative Names

DRD5; DBDR; DRD1B; DRD1L2; D(1B) dopamine receptor; D1beta dopamine receptor; d(5) dopamine receptor; dopamine D5 receptor; dopamine receptor D1B; Dopamine receptor D5

Gene ID

[1816](#)

UniProt ID

[P21918](#)