

Product Information

MemDX™ Membrane Protein Human DRD4 (Dopamine receptor D4) Full Length

Cat. No.: **MPC0082K**

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

This product is a 43.9 kDa Human DRD4 membrane protein expressed in Baculovirus/Insect 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

DRD4

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

43.9 kDa

TMD

7

Sequence

MGNRSTADADGLLAGRGPAAGASAGASAGLAGQGAAALVGGVLLIGAVLA
GNSLVCVSVATERALQTPTNSFIVSLAAADLLLALLVLPLFVYSEVQGGA
WLLSPRLCDALMAMDVMLCTASIFNLCAISVDRFVAVAVPLRYNRQGGS
RQLLLIGATWLLSAAVAAPVLCGLNDVRGRDPAVCRLEDYVYSSVCS
FFLPCPLMLLLYWATFRGLQRWEVARRAKLHGRAPRRPSGPGPPSPTPPA
PRLPQDPCGPDCAAPPAPGLPRGPCGPDCAAPSLPQDPCGPDCAAPPAG
LPPDPCGSNCAPPDAVRAAALPPQTPPQTRRRRRRAKITGRERKAMRVLPV
VVGAFLLCWTPFFVWHITQALCPACSVPPRLVSAVTWLGYNALNPVIY
TVFNAEFRNVFRKALRACC

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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**

DRD4

Full Name

Dopamine receptor D4

Introduction

This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats.

Alternative Names

D4DR; D(4) dopamine receptor; D(2C) dopamine receptor; dopamine D4 receptor; seven transmembrane helix receptor; DRD4; Dopamine receptor D4

Gene ID

[1815](#)

UniProt ID

[P21917](#)