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Product Information

MemDX™ Membrane Protein Human DRD2 (Dopamine receptor D2) Full Length

Cat. No.: **MPC0080K**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.6 kDa Human DRD2 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
DRD2

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
50.6 kDa

TMD
7

Sequence
MDPLNLSWYDDDLERQNWSRPFNGSDGKADRPHYNYYATLLTLLIAVIVF
GNVLVCMAVSREKALQTTTNYLIVSLAVADLLVATLVMPWVVYLEVVGEW
KFSRIHCDIFVTLDVMMCTASILNLCAISIDRYTAVAMPMLYNTRYSSKR
RVTVMISIVWVLSFTISCPLLFGLNNADQNECIIANPAFVVYSSIVSFYV
PFIVTLLVYIKIYIVLRRRRKRVNTKRSSRAFRAHLRAPLKGNCTHPEDM
KLCTVIMKSNGSFPVNRRRVEAARRAQELEMEMLSSTSPPERTRYSPIPP
SHHQLTLPDPSHHGLHSTPDSPAKPEKNGHAKDHPKIAKIFEIQTMPNGK
TRTSLKTMSRRKLSQQKEKKATQMLAIVLGVFIICWLPFFITHILNIHCD
CNIPPVLYSAFTWLGYVNSAVNPIIYTTFNIEFRKAFLKILHC

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
Flag tag and a 10xHis tag at the N-terminus

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

DRD2

Full Name

Dopamine receptor D2

Introduction

This gene encodes the D2 subtype of the dopamine receptor. This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing.

Alternative Names

D2R; D2DR; D(2) dopamine receptor; dopamine D2 receptor; seven transmembrane helix receptor; DRD2; Dopamine receptor D2

Gene ID

1813

UniProt ID

P14416