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Product Information

MemDX™ Membrane Protein Human HTR2B (5-hydroxytryptamine receptor 2B) without tag for Antibody Discovery

Cat. No.: **MP0532X**
This product is for research use only and is not intended for diagnostic use.

This product is a 54.3 kDa Human HTR2B membrane protein expressed in *in vitro* wheat germ 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
HTR2B

Protein Length
Full-length

Molecular Weight
54.3 kDa

TMD
7

Sequence
MALSYRVSELQSTIPEHILQSTFVHVISSNWSGLQTESIPEEMKQIVEEQGNKLHWAALLILMVIIPTIGGNTLVILAVSLEKKLQYATNY

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

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Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

HTR2B

Full Name

5-hydroxytryptamine receptor 2B

Introduction

This gene encodes one of the several different receptors for 5-hydroxytryptamine (serotonin) that belongs to the G-protein coupled receptor 1 family. Serotonin is a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. Serotonin receptors mediate many of the central and peripheral physiologic functions of serotonin, including regulation of cardiovascular functions and impulsive behavior. Population and family-based analyses of a minor allele (glutamine-to-stop substitution, designated Q20*) which blocks expression of this protein, and knockout studies in mice, sμggest a role for this gene in impulsivity. However, other factors, such as elevated testosterone levels, may also be involved. Alternatively spliced transcript variants have been found for this gene

Alternative Names

5-HT2B; 5-HT-2B; 5-HT(2B)

Gene ID

3357

UniProt ID

P41595

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