

Product Information

MemDX™ Membrane Protein Human HTR1B (5-hydroxytryptamine receptor 1B) Full Length

Cat. No.: **MPC0202K**

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

This product is a 43.5 kDa Human HTR1B 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

HTR1B

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

43.5 kDa

TMD

7

Sequence

MEEPGAQCAPPPAGSETWVPQANLSSAPSQNCSAKDYIQDSISLPWKV
LLVMLLALITLATTLSNAFVIATVYRTRKLHTPANYLIASLAVTDLLVSI
LVMPISTMYTGTGRWTLGQVVCDFWLSSDITCCTASILHLCVIALDRYWA
ITDAVEYSAKRTPKRAAVMIALVWVFSISISLPPFFWRQAKAESEEVSECV
VNTDHILYTVYSTVGAFYFPTLLLIALLYGRIYVEARSRLKQTPNRTGKR
LTRAQLITDSPGSTSSVTSINSRVPDVPSESGSPVYVNQVKVRVSDALLE
KKKLMAARERKATKTLGIILGAFIVCWLPFFIISLVMPICKDACWFHLAI
FDFFTWLGYLNSLINPIIYTMSNEDFKQAFHKLIRFKCTS

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag and 10× His 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**

HTR1B

Full Name

5-hydroxytryptamine receptor 1B

Introduction

The protein encoded by this intronless gene is a G-protein coupled receptor for serotonin (5-hydroxytryptamine). Ligand binding activates second messengers that inhibit the activity of adenylate cyclase and manage the release of serotonin, dopamine, and acetylcholine in the brain. The encoded protein may be involved in several neuropsychiatric disorders and therefore is often a target of antidepressant and other psychotherapeutic drugs.

Alternative Names

S12; 5-HT1B; HTR1D2; HTR1DB; 5-HT-1B; 5-HT1DB; 5-HT-1D-beta; 5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled; serotonin 1D beta receptor; serotonin receptor 1B; HTR1B; 5-hydroxytryptamine receptor 1B

Gene ID

[3351](#)

UniProt ID

[P28222](#)