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Product Information

NativeExtract™ Human HTR1B Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX351**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human HTR1B protein in native nanodisc form. The synthetic compound we developed can solubilize the HTR1B protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
HTR1B

Protein Length
Full length

Molecular Weight
43.6kDa

Sequence
Accession # P28222

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

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

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