

Product Information

MemDX™ Membrane Protein Human HTR7 (5-hydroxytryptamine receptor 7) for Antibody

Discovery

Cat. No.: **MP1361J**

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

This product is a 56.4 kDa Human HTR7 membrane protein expressed in E.coli. 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

HTR7

Protein Length

Full-length

Protein Class

GPCR

Molecular Weight

56.4 kDa

TMD

7

Sequence

MMDVNSSGRPDLYGHLRSFLLPEVGRGLPDLSPDGGADPVAGSWAPHLLSEVTASPAPTWDAPPDNASGCGEQINYGRVEKVV

Product Description

Expression Systems

E.coli

Tag

N-10xHis

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

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

Target**Target Protein**

HTR7

Full Name

5-hydroxytryptamine receptor 7

Introduction

The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends.

Alternative Names

5HT7; 5 HT X; 5 hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase coupled); 5 hydroxytryptamine (serotonin) receptor 7; 5 hydroxytryptamine receptor 7; 5-HT-7; 5-HT-X; 5-HT7; 5-hydroxytryptamine receptor 7; 5HT7; 5HT7R_HUMAN; htr7; Serotonin 5 HT 7 receptor; Serotonin receptor 7

Gene ID

[3363](#)

UniProt ID

[P34969](#)