

# 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](#)