

# Product Information

## MemDX™ Membrane Protein Human HTR7 (5-hydroxytryptamine receptor 7) Full Length

Cat. No.: **MPC0212K**

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

This product is a 53.3 kDa Human HTR7 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

HTR7

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

53.3 kDa

#### TMD

7

#### Sequence

MMDVNSSGRPDLYGHLRSFLLPEVGRGLPDLSPDGGADPVAGSWAPHLLS  
EVTASPAPTWDAPPDNASGCGEQINYGRVEKVVIGSILTLITLLTIAGNC  
LVVISVCFVKKLRQPSNYLIVSLALADLSVAVAVMPFVSVDLIGGKWIF  
GHFFCNVFIAMDVMCCTASIMTLCVISIDRYLGITRPLTYPVRQNGKCMA  
KMILSVWLLSASITLPPFLFGWAQNVNDDKVCLISQDFGYTIYSTAVAFYI  
PMSVMLFMYYQIYKAARKSAAKHKFPGFPRVEPDVIALNGIVKLQKEVE  
ECANLSRLLKHERKNISIFKREQKAATTLGIIVGAFTVCWLPFFLLSTAR  
PFICGTSCSCIPLWVERTFLWLGYANSLNPFYIAFFNRDLRTTYRSLLQ  
CQYRNINRKLAAAGMHEALKLAERPERPEFVLRACRRVLLRPEKRPPVS  
VWVLQSPDHHNWLADKMLTTVEKKVMIHD

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

#### Tag

Based on specific requirements

### **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**

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**

5-HT7; 5-HT-7; 5-HT-X; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled); HTR7; 5-hydroxytryptamine receptor 7

### **Gene ID**

[3363](#)

### **UniProt ID**

[P34969](#)