

# Product Information

## MemDX™ Membrane Protein Human HCRT1 (Hypocretin receptor 1) with GST-tag for

### Antibody Discovery

Cat. No.: **MP0505X**

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

This product is a 73.9 kDa Human HCRT1 membrane protein expressed in *in vitro* wheat germ 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

HCRT1

#### Protein Length

Full-length

#### Molecular Weight

73.9 kDa

#### TMD

7

#### Sequence

MEPSATPGAQMGVPPGSREPSVPPDYEDFLRYLWRDYLTPKQYEWVLIAYVAVFVVALVGNTLVCLAVWRNHHMRTVTNYF

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

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

**Target****Target Protein**

HCRTR1

**Full Name**

Hypocretin receptor 1

**Introduction**

The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein selectively binds the hypothalamic neuropeptide orexin A. A related gene (HCRTR2) encodes a G-protein coupled receptor that binds orexin A and orexin B

**Alternative Names**

OX1R

**Gene ID**

[3061](#)

**UniProt ID**

[O43613](#)