

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

MEPSATPGAQMGVPPGSREPSVPPDYEDFLRYLWRDYLTPKQYEWVLIAYVAVFVVALVGNTLVCLAVWRNHMRTVTNYF

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](#)