

Product Information

MemDX™ Membrane Protein Human HCRT2 (Hypocretin receptor 2) Full Length

Cat. No.: **MPC0196K**

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

This product is a 50.6 kDa Human HCRT2 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

HCRT2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

50.6 kDa

TMD

7

Sequence

MSGTKLEDSPPCRNWSSASELNETQEPFLNPTDYDDEEFLRYLWREYLHP
KEYEWVLIAGYIIVFVALIGNVLVCVAVWKNHHMRTVTNYFIVNLSLAD
VLVTITCLPATLVDDITETWFFGQSLCKVIPYLQTVSVSVSVLTLSCIAL
DRWYAICHPLMFKSTAKRARNISIVIIWIVSCIIMIPQAIVMECSTVFPGL
ANKTTLFTVCDERWGGEIYPKMYHICFFLVTYMAPLCLMVLAYLQIFRKL
WCRQIPGTSSVVQRKWKPLQPVSQPRGPGQPTKSRMSAVAAEIKQIRARR
KTARMLMIVLLVFAICYLPISILNVLKRIVFGMFAHTEDRETVYAWFTFSH
WLVYANSAANPIIYNFLSGKFREEFKAAFSCCCLGVHHRQEDRLTRGRTS
TESRKSLLTQISNFDNISKLSQVVLTSISTLPAANGAGPLQNW

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminus

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**

HCRTR2

Full Name

Hypocretin receptor 2

Introduction

The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A.

Alternative Names

OX2R; orexin receptor type 2; hypocretin (orexin) receptor 2; hypocretin receptor type 2; orexin type-2 receptor; HCRTR2; Hypocretin receptor 2

Gene ID

[3062](#)

UniProt ID

[O43614](#)