

# Product Information

## NativeExtract™ Human HCRTR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX395**

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

This product is recombinant Human HCRTR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the HCRTR1 protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

HCRTR1

#### Protein Length

Full length

#### Molecular Weight

47.5 kDa

#### Sequence

Accession # [O43613](#)

### Product Description

#### Activity

Yes

#### Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

#### Expression Systems

HEK293 expression system

#### Tag

Flag tag at the C-terminus

#### Protein Format

Native Nanodisc

#### Form

Liquid

**Buffer**

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

**Storage**

The product should be stored at -20°C to -80°C.

**Target****Target Protein**

HCRT1

**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 (HCRT2) encodes a G-protein coupled receptor that binds orexin A and orexin B.

**Alternative Names**

OX1R; orexin receptor type 1; hypocretin (orexin) receptor 1; hypocretin receptor type 1; orexin receptor 1; HCRT1; Hypocretin receptor 1

**Gene ID**

[3061](#)

**UniProt ID**

[O43613](#)