

# Product Information

## NativeExtract™ Human KISS1R Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX180**

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

This product is recombinant Human KISS1R protein in native nanodisc form. The synthetic compound we developed can solubilize the KISS1R protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

KISS1R

#### Protein Length

Full length

#### Molecular Weight

42.6kDa

#### Sequence

Accession # [Q969F8](#)

### 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**

KISS1R

**Full Name**

KISS1 receptor

**Introduction**

The protein encoded by this gene is a galanin-like G protein-coupled receptor that binds metastin, a peptide encoded by the metastasis suppressor gene KISS1. The tissue distribution of the expressed gene suggests that it is involved in the regulation of endocrine function, and this is supported by the finding that this gene appears to play a role in the onset of puberty. Mutations in this gene have been associated with hypogonadotropic hypogonadism and central precocious puberty.

**Alternative Names**

HH8; CPPB1; GPR54; AXOR12; KISS-1R; HOT7T175; kiSS-1 receptor; G protein-coupled receptor 54; G-protein coupled receptor OT7T175; hypogonadotropin-1; kisspeptins receptor; metastin receptor; KISS1R; KISS1 receptor

**Gene ID**

[84634](#)

**UniProt ID**

[Q969F8](#)