

# Product Information

## NativeExtract™ Human NPY1R Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX143**

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

This product is recombinant Human NPY1R protein in native nanodisc form. The synthetic compound we developed can solubilize the NPY1R protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

NPY1R

#### Protein Length

Full length

#### Molecular Weight

44.4kDa

#### Sequence

Accession # [P25929](#)

### 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**

NPY1R

**Full Name**

Neuropeptide Y receptor Y1

**Introduction**

This gene belongs to the G-protein-coupled receptor superfamily. The encoded transmembrane protein mediates the function of neuropeptide Y (NPY), a neurotransmitter, and peptide YY (PYY), a gastrointestinal hormone. The encoded receptor undergoes fast agonist-induced internalization through clathrin-coated pits and is subsequently recycled back to the cell membrane. Activation of Y1 receptors may result in mobilization of intracellular calcium and inhibition of adenylate cyclase activity.

**Alternative Names**

NPYR; NPY1-R; neuropeptide Y receptor type 1; NPY1R; Neuropeptide Y receptor Y1

**Gene ID**

[4886](#)

**UniProt ID**

[P25929](#)