

Product Information

NativeExtract™ Human NTSR2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX140**

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

This product is recombinant Human NTSR2 protein in native nanodisc form. The synthetic compound we developed can solubilize the NTSR2 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

NTSR2

Protein Length

Full length

Molecular Weight

45.4kDa

Sequence

Accession # [O95665](#)

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**

NTSR2

Full Name

Neurotensin receptor 2

Introduction

The protein encoded by this gene belongs to the G protein-coupled receptor family that activate a phosphatidylinositol-calcium second messenger system. Binding and pharmacological studies demonstrate that this receptor binds neurotensin as well as several other ligands already described for neurotensin NT1 receptor. However, unlike NT1 receptor, this gene recognizes, with high affinity, levocabastine, a histamine H1 receptor antagonist previously shown to compete with neurotensin for low-affinity binding sites in brain. These activities suggest that this receptor may be of physiological importance and that a natural agonist for the receptor may exist.

Alternative Names

NTR2; neurotensin receptor type 2; NT-R-2; levocabastine-sensitive neurotensin receptor; neurotensin receptor, type 2; NTSR2; Neurotensin receptor 2

Gene ID

[23620](#)

UniProt ID

[Q95665](#)