

Product Information

MemDX™ Membrane Protein Human NTSR2 (Neurotensin receptor 2) for Antibody

Discovery

Cat. No.: **MP0818X**

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

This product is a 68.9 kDa Human NTSR2 membrane protein expressed in *in vitro* wheat germ 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

NTSR2

Protein Length

Full-length

Molecular Weight

68.9 kDa

TMD

7

Sequence

METSSPRPPRPSSNPGLSLDARLGVDTRLWAKVLFTALYALIWALGAAGNALSVHVVLKARAGRAGRLRHHVLSLALAGLLLLLVGV

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -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

Gene ID

[23620](#)

UniProt ID

[Q95665](#)