

Product Information

MemDX™ Membrane Protein Human NTSR2 (Neurotensin receptor 2) Full Length

Cat. No.: **MPC0312K**

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

This product is a 45.3 kDa Human NTSR2 membrane protein expressed in Baculovirus/Insect 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

Protein Class

GPCR

Molecular Weight

45.3 kDa

TMD

7

Sequence

METSSPRPPRPSSNPGLSLDARLGVDTRLWAKVLFTALYALI WALGAAGN
ALSAHVVLKARAGRAGRLRHHVLSLALAGLLLLLVGVPVELYSFVWFHYP
WVFGDLGCRGYYFVHELCA YATVLSVAGLSAERCLAVCQPLRARSLLTPR
RTRWLVALSWAASLGLALPMAVIMGQKHELETADGEPEPASRVCTVLVSR
TALQVFIQVNVLVSFVLPLALTAFLNGVTVSHLLALCSQVPSTSTPGSST
PSRLELLSEEGLLSFIVWKKTFIQGGQVSLVRHKDVRRI RSLQRSVQVLR
AIVVMYVICWLPYHARRLMYCYVPDDAWTDPLYNFYHYFYMTNTLFYVS
SAVTPLLYNAVSSSFRLKFLEAVSSLCGEHHPMKRLPPKPQSPTLMDTAS
GFGDPPETRT

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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](#)