

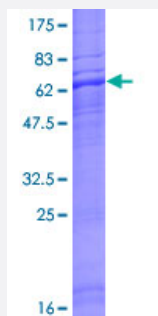
Full-Length

NTSR2 (Human) Recombinant Protein (P01)

Catalog # H00023620-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NTSR2 full-length ORF (AAH37776.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

METSSPRPPRPSSNPGLSLDARLGVDTRLWAKVLFTALYALWALGAAGNALSVHVVVKARAGR
AGRLRHHVLSLALAGLLLLLVGVPVELYSFVWFHYPWVFGDLGCLAVCQPLCARSLLTPRRTRW
LVALSWAASLGLALPMAVIMGQKHELETADGEPEPASRVCTVLVSRTALQVFIQVNVLVSFVLPL
ALTAFLNGVTVSHLLALCSQVPSTSTPGSSTPSRLELLSEGLLSFMWKKTFIQGGQVSLVRHKD
VRRIRSLQRSVQVLRRAVMYVICWLPYHARRLMYCYVPDDAWTDPLYNFYHYFYMVTNTLFYVSS
AVTPLLYNAVSSSFRKLFLEAVSSLCGEHHPMKRLPPKPSPTLMDTASGFGDPPETRT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — NTSR2

Entrez GeneID [23620](#)

GeneBank Accession# [BC037776.2](#)

Protein Accession# [AAH37776.1](#)

Gene Name NTSR2

Gene Alias NTR2

Gene Description neurotensin receptor 2

Omim ID [605538](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations levocabastine-sensitive neurotensin receptor|neurotensin receptor, type 2

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Conduct Disorder](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)