

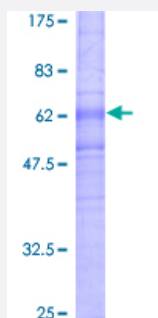
Full-Length

NPY1R (Human) Recombinant Protein (P01)

Catalog # H00004886-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NPY1R full-length ORF (AAH36657, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAVIILGVSGNLALIIILKQK
EMRNVNTILVNLSFSDLLVAIMCLPFTFVYTLMDHWWFGEAMCKLNPFVQCVPITVSIFSLVLIAVE
RHQLIINPRGWRPNNRHAYVGIAVWVLAVASSLPFLYQVMTDEPFQNVTLDAYKDKYVCFDQFPS
DSHRLSYTTLLVLQYFGPLCFIFICYFKMYRLKRRNNMMDKMRDNKYRSSETKRINIMLLSMVAFAV
CWLPLTIFNTVYDWNHQIATCNHNLLFLLCHLTAMISTCVNPIFYGFLNKNFQRDLQFFFNFCDFRS
RDDDYETIAMSTMHTDVSKTSLKQASPVAFKKINNNDNEKI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.98

Interspecies Antigen Sequence

Mouse (93); Rat (92)

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 — NPY1R

Entrez GeneID[4886](#)**GeneBank Accession#**[BC036657](#)**Protein Accession#**[AAH36657](#)**Gene Name**

NPY1R

Gene Alias

NPYR

Gene Description

neuropeptide Y receptor Y1

Omim ID[162641](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Neuropeptide Y (NPY; MIM 162640) is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiologic activities, including effects on psychomotor activity, food intake, regulation of central endocrine secretion, and potent vasoactive effects on the cardiovascular system. Two major subtypes of NPY (Y1 and Y2) have been defined by pharmacologic criteria. NPY receptors, such as NPY1R, have been identified in a variety of tissues, including brain, spleen, small intestine, kidney, testis, placenta, and aortic smooth muscle (Herzog et al., 1992 [PubMed 1321422]).[supplied by OMIM]

Other Designations

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Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Appetite](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cocaine-Related Disorders](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Liver Diseases](#)
- [NARP](#)
- [Obesity](#)
- [Panic Disorder](#)
- [Puberty](#)
- [Substance Withdrawal Syndrome](#)