

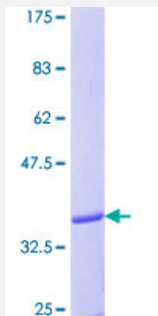
Full-Length

NPY (Human) Recombinant Protein (P02)

Catalog # H00004852-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NPY full-length ORF (NP_000896.1, 1 a.a. - 97 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLGNKRLGLSGLTLALSLLVCLGALAEAYPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRYGKRSSPETLISDLLMRESTENVPRTRLEDPAWW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.3
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 — NPY

Entrez GeneID [4852](#)

GeneBank Accession# [NM_000905.2](#)

Protein Accession# [NP_000896.1](#)

Gene Name NPY

Gene Alias PYY4

Gene Description neuropeptide Y

Omim ID [162640](#)

Gene Ontology [Hyperlink](#)

Other Designations -

Publication Reference

- [Neprilysin-dependent neuropeptide Y cleavage in the liver promotes fibrosis by blocking NPY-receptor 1.](#)

Cristina Ortiz, Sabine Klein, Winfried H Reul, Fernando Magdaleno, Stefanie Gröschl, Peter Dietrich, Robert Schierwagen, Frank E Uschner, Sandra Torres, Christoph Hieber, Caroline Meier, Nico Kraus, Olaf Tyc, Maximilian Brol, Stefan Zeuzem, Christoph Welsch, Marco Poglitsch, Claus Hellerbrand, Mercedes Alfonso-Prieto, Fabio Mira, Ulrich Auf dem Keller, Anja Tetzner, Andrew Moore, Thomas Walther, Jonel Trebicka.

Cell Reports 2023 Jan; 42(2):112059.

Application: IF, LC-MS, Stimulation, Mouse

Pathway

- [Adipocytokine signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)
- [Alcohol Withdrawal Delirium](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Appetite](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Celiac Disease](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Cocaine-Related Disorders](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Interview](#)
- [Kidney Failure](#)
- [Lymphoma](#)

- [Macular Degeneration](#)
- [MELAS](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [NARP](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Pain](#)
- [Panic Disorder](#)
- [Polycystic Ovary Syndrome](#)
- [Postmortem Changes](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Proteinuria](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Radius Fractures](#)
- [Reflex Sympathetic Dystrophy](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Seizures](#)
- [Stress Disorders](#)
- [Stroke](#)

- [Substance Withdrawal Syndrome](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)