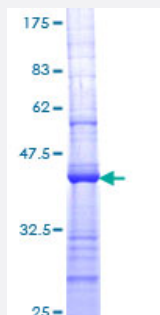


CRHR1 (Human) Recombinant Protein (Q01)

Catalog # H00001394-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CRHR1 partial ORF (NP_004373, 24 a.a. - 121 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SLQDQHCESLSLASNISGLQCNASVDLIGTCWPRSPAGQLVVRPCPAFFYGVRynttNNGYRECL ANGSWAARVNYSECQEILNEEKKSKVHYHVAVI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (97); Rat (96)
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 — CRHR1

Entrez GeneID [1394](#)

GeneBank Accession# [NM_004382](#)

Protein Accession# [NP_004373](#)

Gene Name CRHR1

Gene Alias CRF-R, CRF1, CRFR1, CRH-R1h, CRHR, CRHR1f

Gene Description corticotropin releasing hormone receptor 1

Omim ID [122561](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants

Other Designations CRF1 receptor isoform I variant B|corticotropin releasing hormone receptor variant 1h|corticotropin-releasing factor receptor|seven transmembrane helix receptor

Publication Reference

- [Expression and Role of the CRH/Urocortin-Receptor-Binding Protein \(CRH/UCN-R-BP\) System in the Primate Corpus Luteum during the Menstrual Cycle.](#)

Xu J, Xu F, Hennebold JD, Molskness TA, Stouffer RL.

Endocrinology 2007 Aug; 148(11):5385.

Application: WB, Monkey, Monkey ovary

Pathway

- [Long-term depression](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Brain Diseases](#)
- [Bronchial Hyperreactivity](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chromosome Inversion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Connective Tissue Diseases](#)
- [Craniofacial Abnormalities](#)
- [Depressive Disorder](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fatigue Syndrome](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inversion](#)
- [Mental Disorders](#)
- [Mouth Abnormalities](#)
- [Musculoskeletal Diseases](#)
- [Neurodegenerative Diseases](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Ovarian Failure](#)
- [Pain](#)

- [Panic Disorder](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Psychiatric Status Rating Scales](#)
- [Psychophysiologic Disorders](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Sleep Disorders](#)
- [Somatoform Disorders](#)
- [Stress](#)
- [Supranuclear Palsy](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Vaginosis](#)