

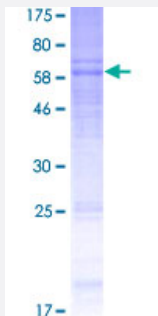
Full-Length

CRHR1 (Human) Recombinant Protein (P01)

Catalog # H00001394-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CRHR1 full-length ORF (NP_004373.2, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGGHPQLRLVKALLLLGLNPVSASLQDQHCESSLASNISGLQCNASVDLIGTCWPRSPAGQLV
VRPCPAFFYGVRNTTNGYRECLANGSWAARVNYSECQEILNEEKSKVHYHVAVIINYLGHCISL
VALLVAFVLFLRLRSIRCLRNIIHWNLISAFILRNATWFFVQLTMSPEVHQSNVGCRLVTAAYNYFH
VTNFFWMFGEGCYLHTAHLTYSTDRLRKWMFICIGWGVFPPIVAVAGKLYDNEKCWFGRPG
VYTDYYQGPMILVLLINFILFNVRILMTKLRASTTSETIQYRKAVKATLVLLPLLGITMLFFVNPGE
EVSRRVFIYFNSFLESFQGFVSVFYCFNLSEVRSAIRKRWHRWQDKHSIRARVARAMSIPTSPTR
VSFHSIKQSTAV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.1

Interspecies Antigen Sequence

Mouse (98); Rat (97)

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_004382.2
Protein Accession#	NP_004373.2
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

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](#)