CCL5 (Human) Recombinant Protein

Catalog # P9565 Size 2 x 10 ug

Specification

Product Description	Human CCL5 (P13501, 24 a.a. - 91 a.a.) partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.
Sequence	MHHHHHHSPYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYINSLEMS
Host	Escherichia coli
Theoretical MW (kDa)	17.5
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CCL5

Entrez GeneID	6352

Protein Accession#	P13501
Gene Name	CCL5
Gene Alias	D17S136E, MGC17164, RANTES, SCYA5, SISd, TCP228
Gene Description	chemokine (C-C motif) ligand 5
Omim ID	187011
Gene Ontology	Hyperlink
Gene Summary	This gene is one of several CC cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor CCR5 and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. [provided by RefSeq
Other Designations	SIS-delta|T-cell specific RANTES protein|T-cell specific protein p288|beta-chemokine RANTES|regulated upon activation, normally T-expressed, and presumably secreted|small inducible cytokine A5|small inducible cytokine A5 (RANTES)|small inducible cytokine

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction
- Epithelial cell signaling in Helicobacter pylori infection
- Prion diseases
- Toll-like receptor signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Airway Obstruction

- Albuminuria
- Alzheimer disease
- Anemia
- Arthritis
- Asthma
- Atherosclerosis
- Bacteremia
- Behcet Syndrome
- Birth Weight
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Carotid Stenosis
- Celiac Disease
- Central Nervous System Diseases
- Central Nervous System Neoplasms
- Cerebral Infarction
- Chlamydophila Infections
- Chronic Disease
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies

- Disease Progression
- Disease Susceptibility
- Edema
- Endometriosis
- Eosinophilia
- Erythema Nodosum
- Esophageal Neoplasms
- Eye Diseases
- Gastritis
- Gender Identity
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Glomerulonephritis
- Graft vs Host Disease
- Heart Diseases
- Helicobacter Infections
- Hemophilia A
- Hepatitis B
- Hepatitis C
- HIV Infections
- HIV Seropositivity
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Immune System Diseases

- Infant
- Inflammation
- Intestinal Diseases
- Intracranial Thrombosis
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphocytosis
- Lymphoma
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Metaplasia
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasm Metastasis
- Obesity
- Ocular Hypertension
- Ovarian Failure
- Pancreatic cancer

- Pancreatic Neoplasms
- Pancreatitis
- Parkinson disease
- Periodontitis
- Polycystic Ovary Syndrome
- Pregnancy Complications
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Pulmonary Emphysema
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Syncytial Virus Infections
- Respiratory Tract Diseases
- Retinal Diseases
- Retinal Vasculitis
- Retinal Vein Occlusion
- Rhinitis
- Sarcoidosis
- Scleroderma
- Severe Acute Respiratory Syndrome
- Stomach Neoplasms
- Substance Abuse
- Substance-Related Disorders
- Temporal Arteritis
- Thrombophilia

- Thyroid Neoplasms
- Tobacco Use Disorder
- Tuberculosis
- Urinary Bladder Neoplasms
- Uveitis
- Viremia
- Vision
- Wegener Granulomatosis
- Werner syndrome