Bioactive

CXCL5 (Human) Recombinant Protein

Catalog # P9435 Size 20 ug

Specification

Product Description	Human CXCL5 (P42830, 41 a.a. - 114 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	AAVLRELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNGKEICLDPEAPFLKKVIQKILDGGNKEN
Host	Escherichia coli
Theoretical MW (kDa)	8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95.0% by SDS-PAGE
Activity	The biological activity determined by measuring the dose dependent mobilization of intracellular calcium (calcium flux) with human neutrophils. Significant calcium mobilization is observed with 100ng/mL, corresponding to a specific activity of 10000 IU/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
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

- Functional Study
- SDS-PAGE

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Gene Info — CXCL5

Entrez GeneID	6374
Protein Accession#	P42830
Gene Name	CXCL5
Gene Alias	ENA-78, SCYB5
Gene Description	chemokine (C-X-C motif) ligand 5
Omim ID	600324
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an inflammatory chemokine that belongs to the CXC chemok ine family. This chemokine is produced concomitantly with interleukin-8 (IL8) in response to stimul ation with either interleukin-1 (IL1) or tumor necrosis factor-alpha (TNFA). This chemokine is a pot ent chemotaxin involved in neutrophil activation. [provided by RefSeq
Other Designations	epithelial-derived neutrophil activating protein 78|epithelial-derived neutrophil-activating peptide 7 8|neutrophil-activating peptide ENA-78|neutrophil-activating protein 78|small inducible cytokine B 5|small inducible cytokine subfamily B (Cys-X-Cys), mem

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchiolitis
- Colorectal Neoplasms
- Diabetes Mellitus
- Erythema Nodosum
- Genetic Predisposition to Disease

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- Idiopathic Pulmonary Fibrosis
- Infant
- Inflammation
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Severe Acute Respiratory Syndrome

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