Bioactive HuPro®

CXCL5 (Human) Recombinant Protein

Catalog # P7396 Size 5 ug

Specification

Product Description	Human CXCL5 (P42830, 37 a.a. - 114 a.a.) partial recombinant protein expressed in HEK293 cells.
Sequence	AGPAAAVLRELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNGKEICLDPEAPFLKK VIQKILDGGNKEN
Host	Human
Theoretical MW (kDa)	~ 8.5
Form	Lyophilized
Preparation Method	_x005F_x000D__x000D_ Mammalian cell (HEK 293) expression system_x005F_x000D__x000D_
Purity	> 98% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	Human CXCL5 EC_{50} < 200 ng/mL, measured on Ca^{2+} mobilization assay in CHO-K1/ Galpha15/hCXCR2 cells (human Galpha15 and human CXCR2 stably expressed in CHO-K1 cells).
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage 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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