

Bioactive

HuPro®

## CXCL5 (Human) Recombinant Protein

Catalog # P7396

Size 5 ug

### Specification

|                             |                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Human CXCL5 (P42830, 37 a.a. - 114 a.a.) partial recombinant protein expressed in HEK293 cells.                                                                                                |
| <b>Sequence</b>             | AGPAAVLRELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNNGKEICLDPEAPFLKK<br>VIQKILDGGNKEN                                                                                                             |
| <b>Host</b>                 | Human                                                                                                                                                                                          |
| <b>Theoretical MW (kDa)</b> | ~ 8.5                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized                                                                                                                                                                                    |
| <b>Preparation Method</b>   | _x005F_x000D__x000D_ Mammalian cell (HEK 293) expression system _x005F_x000D__x000D_                                                                                                           |
| <b>Purity</b>               | > 98% as analyzed by SDS-PAGE.                                                                                                                                                                 |
| <b>Endotoxin Level</b>      | < 0.2 EU/ ug of protein (gel clotting method)                                                                                                                                                  |
| <b>Activity</b>             | Human CXCL5 EC <sub>50</sub> < 200 ng/mL, measured on Ca <sup>2+</sup> mobilization assay in CHO-K1/ Galpha15/hC XCR2 cells (human Galpha15 and human CXCR2 stably expressed in CHO-K1 cells). |
| <b>Recommend Usage</b>      | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user.                                                                                          |
| <b>Storage Buffer</b>       | Lyophilized from PBS. Reconstitute the lyophilized powder in ddH <sub>2</sub> O up to 100 ug/mL.                                                                                               |
| <b>Storage Instruction</b>  | Store at 4°C for 1 week. For long term storage store at -20°C to -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                     |

### Applications

- Functional Study
- SDS-PAGE

## Gene Info — CXCL5

|                    |                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">6374</a>                                                                                                                                                                                                                                                                                                                                                      |
| Protein Accession# | <a href="#">P42830</a>                                                                                                                                                                                                                                                                                                                                                    |
| Gene Name          | CXCL5                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Alias         | ENA-78, SCYB5                                                                                                                                                                                                                                                                                                                                                             |
| Gene Description   | chemokine (C-X-C motif) ligand 5                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">600324</a>                                                                                                                                                                                                                                                                                                                                                    |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                 |
| Gene Summary       | The protein encoded by this gene is an inflammatory chemokine that belongs to the CXC chemokine family. This chemokine is produced concomitantly with interleukin-8 (IL8) in response to stimulation with either interleukin-1 (IL1) or tumor necrosis factor-alpha (TNFA). This chemokine is a potent chemotaxin involved in neutrophil activation. [provided by RefSeq] |
| Other Designations | epithelial-derived neutrophil activating protein 78 epithelial-derived neutrophil-activating peptide 78 neutrophil-activating peptide ENA-78 neutrophil-activating protein 78 small inducible cytokine B5 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](#)

- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Inflammation](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Severe Acute Respiratory Syndrome](#)