

## Active Recombinant Human CXCL5 protein

Cat. No. CXCL5-151H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CXCL5 protein was expressed in HEK293T.

**Species** Human

**Source** HEK293

**Description**

Epithelial cell derived neutrophil activating peptide (ENA78) also known as C-X-C motif chemokine 5 (CXCL5), is a small cytokine belonging to the CXC chemokine family. It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II interferon, IFN- $\gamma$ . This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. Full length CXCL5 (78 aa) is trimmed at the Nterminal end by cathepsin G and chymotrypsin to ENA-74 (74 aa) and ENA-70 (70aa), with the shortened forms showing increased potency relative to full length CXCL5. CXCL5 can signal through the CXCR2 receptor.

**Form** Lyophilized after extensive dialysis against PBS.

**Bio-activity**

The EC<sub>50</sub> value of human ENA-78/CXCL5 on Ca<sup>2+</sup> mobilization assay in CHO-K1/G $\alpha$ 15/hCXCR2 cells (human G $\alpha$ 15 and human CXCR2 stably expressed in CHO-K1 cells) is less than 200.0 ng/ml.

**Molecular Mass** ~8.5 kDa

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<b>Endotoxin</b>	< 0.2 EU/μg of protein by gel clotting method.
<b>Purity</b>	> 98%
<b>Storage</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70 centigrade. Upon reconstitution, the product should be stable for up to 1 week at 4 centigrade or up to 3 months at -20 centigrade. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 μg/ml.

## GENE INFORMATION

<b>Gene Name</b>	CXCL5 C-X-C motif chemokine ligand 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CXCL5
<b>Synonyms</b>	C-X-C motif chemokine 5; ENA-78; Epithelial-derived neutrophil-activating protein 78; Neutrophil-activating peptide ENA-78; Small-inducible cytokine B5; ENA78; SCYB5
<b>Gene ID</b>	6374
<b>mRNA Refseq</b>	NM_002994
<b>Protein Refseq</b>	NP_002985
<b>MIM</b>	600324

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UniProt ID

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