

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-γ. 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 EC50 value of human ENA-78/CXCL5 on Ca ²⁺ mobilization assay in CHO-K1/Gα15/hCXCR2 cells (human Gα15 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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Endotoxin	< 0.2 EU/μg of protein by gel clotting method.
Purity	> 98%
Storage	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.
Reconstitution	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 ₂ O or PBS up to 100 μg/ml.

GENE INFORMATION

Gene Name	CXCL5 C-X-C motif chemokine ligand 5 [Homo sapiens (human)]
Official Symbol	CXCL5
Synonyms	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
Gene ID	6374
mRNA Refseq	NM_002994
Protein Refseq	NP_002985
MIM	600324

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UniProt ID

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