

Active Recombinant Human CXCL5 Protein (78 aa)

Cat. No. CXCL5-190C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant ENA-78/CXCL5 produced in 293 cells is a single polypeptide chain containing 78 amino acids. rhENA-78/CXCL5 has a molecular mass of 8.5 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species	Human
Source	HEK293
ProteinLength	78
Description	Epithelial-derived neutrophil-activating peptide 78 (ENA-78) 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 ENA-78 has also been observed in eosinophils, and can be inhibited with the type II interferon, IFN- γ . ENA-78 stimulates the chemotaxis of neutrophils possessing angiogenic properties. It plays a role in reducing sensitivity to sunburn pain in some subjects, and could be a potential target used to understand more about pain in other inflammatory conditions. ENA-78 is well known to have chemotactic and activating functions on neutrophils, mainly during acute inflammatory responses. It can signal through the CXCR2 receptor.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC50 value of human ENA-78/CXCL5 on Ca ²⁺ mobilization assay in CHO-K1/G

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	α 15/hCXCR2 cells (human G α 15 and human CXCR2 stably expressed in CHO-K1 cells) is less than 200 ng/mL.
Molecular Mass	8.5 kDa, observed by reducing SDS-PAGE.
AA Sequence	AGPAAVLRELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNNGKEICLD PEAPFLKKVIQKILDGGNKEN
Endotoxin	< 0.2 EU/ μ g, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant human ENA-78/CXCL5 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human ENA-78/CXCL5 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μ g/mL.

GENE INFORMATION

Gene Name	CXCL5 chemokine (C-X-C motif) ligand 5 [Homo sapiens]
Official Symbol	CXCL5
Synonyms	CXCL5; chemokine (C-X-C motif) ligand 5; SCYB5, small inducible cytokine subfamily B (Cys X Cys), member 5 (epithelial derived neutrophil activating peptide 78); C-X-C motif chemokine 5; ENA 78; ENA-78(1-78); small inducible cytokine B5; small-inducible cytokine B5; neutrophil-activating protein 78; neutrophil-activating peptide ENA-78; epithelial-derived neutrophil activating protein 78; epithelial-derived

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neutrophil-activating peptide 78; epithelial-derived neutrophil-activating protein 78; small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial-derived neutrophil-activating peptide 78); SCYB5; ENA-78;

Gene ID [6374](#)

mRNA Refseq [NM_002994](#)

Protein Refseq [NP_002985](#)

MIM [600324](#)

UniProt ID [P42830](#)

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