

# Recombinant Human Epithelial Neutrophil Activating Peptide-78, 5-78 a.a./CXCL5

Catalog No: #AP60281

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Package Size: #AP60281-1 5ug #AP60281-2 100ug

## Description

Product Name	Recombinant Human Epithelial Neutrophil Activating Peptide-78, 5-78 a.a./CXCL5
Host Species	E.coli
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	ENA-78 (5-78), CXCL5 (5-78), Neutrophil Activating Peptide ENA-78, Small-inducible cytokine B5
Calculated MW	Approximately 8.1 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Target Sequence	AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV VASLKNKKEI CLDPEAPFLK KVIQKILDGG NKEN
Formulation	LyophilizedB fromB aB 0.2B umB filteredB concentratedB solutionB inB PBS.B
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <input type="checkbox"/> A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. <input type="checkbox"/> 1 month, 2 to 8 °C under sterile conditions after reconstitution. <input type="checkbox"/> 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

CXCL5 is a small cytokine also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78). The gene for human CXCL5 is encoded by four exons which belong to CXCL5 gene located on human chromosome 4. The protein is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. In vitro, ENA-78 (8-78) and ENA-78 (9-78) show a threefold higher chemotactic activity for neutrophil granulocytes. They are produced by proteolytic cleavage after secretion from peripheral blood monocytes. Recombinant human CXCL5 (5-78 a.a.) contains 74 amino acids and it is a single non-glycosylated polypeptide chain. Human CXCL5 shares 57 % amino acid sequence identity with mouse and rat CXCL5.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.