

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

Catalog No: #AP60281

Orders: order@signalwayantibody.com

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

Support: tech@signalwayantibody.com

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
Uniprot	P42830
GeneID	6374
Calculated MW	Approximately 8.1 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Target Sequence	AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV VASLKNGKEI CLDPEAPFLK KVIQKILDGG NKEN
Formulation	LyophilizedB fromB aB 0.2B umB filteredB concentratedB solutionB inB PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 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