Recombinant Human ENA-78 (CXCL5)

Cat No:HR2R1346

For research use only

Overview

Quantity	20 ?g
Gene Symbol	CXCL5
Gene ID	N/A
Accession	P42830
Alternative Name	ENA78(1-78), Epithelial-derived neutrophil-activating protein 78, Neutrophil-activating peptide ENA-78, Small-inducible cytokine B5, ENA78, SCYB5, CXCL5
Species	Human
Source	E. coli
Description	Epithelial neutrophil- activating protein 78 (ENA-78) is a member of the CXC chemokines and acts as a potent chemoattractant and activator of neutrophil function. On stimulation in vitro, ENA-78 is highly expressed in many cell types. ENA-78 protein levels are strongly elevated in synovial fluid and blood of patients with rheumatoid arthritis. By in situ hybridization and immunofluorescence staining, ENA-78 has been recognized as a major CXC chemokine expressed in epithelial cells of the intestinal mucosa of patients with Crohn's disease, ulcerative colitis, and acute appendicitis.
Functions	Determined by its ability to chemoattract human neutrophils using a concentration range of 2.0 - 40.0 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in 20 mM PB, 100 mM NaCl solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.