Recombinant Rat LIX (CXCL5)

Cat No:HR2R2291

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	CXCL5
Gene ID	60665
Accession	P97885
Alternative Name	Cytokine LIX, Small-inducible cytokine B5, C-X-C motif chemokine 5
Species	Rat
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 PB, 100 mM NaCl, 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	11
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.