

Recombinant Mouse LIX (CXCL5)

Cat No:HR2R2189

For research use only

Overview

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| Quantity | 200 ?g |
| Gene Symbol | CXCL5 |
| Gene ID | 20311 |
| Accession | P50228 |
| Alternative Name | C-X-C motif chemokine 5, Cytokine LIX, Small-inducible cytokine B5 |
| Species | Mouse |
| 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 ng/mL. |
| Formulation | Lyophilized from a 0.2 ?m filtered solution in 20 mM 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. |