Technical Data Sheet

Recombinant Murine LIX/CXCL5 (93a.a.)(rMuLIX/CXCL5)

Murine LIX/CXCL5(93a.a.)

The murine homolog of ENA-78 is called LIX. ENA-78/LIX is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. ENA-78/LIX is a chemoattractant for neutrophils. The three naturally occurring variants of human ENA-78; ENA 5-78, ENA 9-78 and ENA 10-78, contain 74, 70, and 69 amino acid residues, respectively, and possess the same biological activity. ENA-78/LIX contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.

Catalog Number:	RC332-16
Source:	*Escherichia coli.*
Molecular Weight:	9.8 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.
Quantity:	5ug/20ug/1mg
AA Sequence:	APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIIQK ILGSDKKKAK RNALAVERTA SVQ
Purity:	>97% by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10.0-100.0 ng/ml.
Formulation:	Lyophilized from a 0.2μm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.
Endotoxin:	Less than 1EU/μg of rMuLIX/CXCL5 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.

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Storage: This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. **Avoid repeated freeze/thaw cycles**.

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