

**Recombinant Murine LPS-induced CXC
Chemokine, 70a.a./CXCL5
(rMuLIX, 70a.a./CXCL5)
PrimeGene Technical Data Sheet**

Catalog Number:	221-05T
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 7.6 kDa, a single non-glycosylated polypeptide chain containing 70 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	TELRCVCLTV TPKINPKLIA NLEVIPAGPQ CPTVEVIACL KNQKEVCLDP EAPVIKKIIQ KILGSDKKKA
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemoattract bioassay using human neutrophils is in a concentration range of 10-100 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 0.1 EU/µg of rMuLIX, 70a.a./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.
Storage:	This lyophilized preparation is stable 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.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Murine LPS-induced CXC Chemokine, 70a.a./CXCL5

CXCL5 is a small cytokine belonging to the CXC chemokine family and it is encoded by the CXCL5 gene. It may participate in the recruitment of inflammatory cells by injured or infected tissue. CXCL5 is cleaved into the following 2 chains: GCP-2 (1-78) and GCP-2 (9-78) which attract neutrophils and are involved in neutrophil activation. Recombinant Mouse CXCL5 contains 70 amino acids and shares 57 % amino acid sequence identity with human CXCL5.