# Recombinant Mouse LIX - CXCL5 (70 aa)

20150227BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

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|---|---|
| **Cat.-no.:** | **M10-030** |
| Size: | 20 µg |
| Lot. No.: | According to product label |

## Scientific Background

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|---|---|
| **Gene-ID (NCBI):** | *20311* |
| **Synonyms:** | Cxcl5; LIX; GCP-2; Scyb5; Scyb6; ENA-78; AMCF-II |

LIX is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. LIX is a chemoattractant for neutrophils. The two naturally occurring variants of LIX; LIX 1-78 (GCP-2) and LIX 9-78 (GCP-2), contain 78 and 70 amino acid residues, respectively. 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. Recombinant murine LIX is a 7.6 kDa protein consisting of amino acid residues 9-78 of the full length LIX protein (70 amino acids).

**Sequence**

```
TELRCVCLTV TPKINPKLIA NLEVIPAGPQ CPTVEVIAKL
KNQKEVCLDP EAPVIKKIIQ KILGSDKKKA
```

**Database References**

| | |
|---|---|
| **Protein RefSeq:** | NP_033167.2 |
| **Uniprot ID:** | P50228 |
| **mRNA RefSeq:** | NM_009141.2 |

## Product Specifications

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|---|---|
| **Expressed in** | E. coli |
| **Purity** | > 98% by SDS-PAGE & HPLC analyses |
| **Endotoxin level** | < 0.1 ng /µg of protein (<1EU/µg). |
| **Formulation** | lyophilized |
| **Length (aa):** | 70 |
| **MW:** | 7.6 kDa |

**Biological Activity:** Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/ml.

*AVOID REPEATED FREEZE AND THAW CYCLES!*

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