



Recombinant Mouse LIX - CXCL5 (93 aa)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-114
Size:	20 µg
Lot. No.:	According to product label

Sequence

APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP
TVEVIKLN QKEVCLDPEA PVIKKIIQK ILGSDKKKAK
RNALAVERTA SVQ

Database References

Protein RefSeq:	NP_033167.2
Uniprot ID:	P50228
mRNA RefSeq:	NM_009141.2

Scientific Background

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 9.8 kDa protein containing 93 amino acid residues.

Product Specifications

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):	93
MW:	9.8 kDa

Biological Activity: Determined by its ability to chemoattract human neutrophils using a concentration range of 10-100 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!