9051 Mira Mesa Blvd, #910094
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LIX Mouse

LIX Mouse Recombinant (CXCL5)
CHK0091

Product Overview

Name	LIX Mouse
Description	
LIX Mouse Recombinant (CXCL5)	
Accession (Primary)	P50228
Synonyms	
C-X-C motif chemokine 5, Small-inducible cytokine B5, Cytokine LIX, Cxcl5, Scyb5, LIX, GCP-2, Scyb6, ENA-78, AMCF-II.	
Introduction	
Chemokine (C-X-C motif) ligand 5 (CXCL5) is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78). It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II IFN. This chemokine stimulates the chemotaxis of neutrophils possesses angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. The gene for CXCL5 is encoded on four exons and is located on human chromosome 4 amongst several other CXC chemokine genes. CXCL5 has been implicated in connective tissue remodelling.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
LIX Mouse is lyophilized from a 0.2 μm filtered solution in PBS.	
Stability	
Lyophilized LIX Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Amino acid sequence	

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VIAA TELRCV CLTVTPKINP KLIANLEVIP AGPQCPTVEV IAKLKNQKEV CLDPEAPVIK KIIQKILGSD KKKA.

Biological Activity

The ED 50 , as measured by its ability to chemoattract human CXCR2-transfected mouse BaF3 cells, is less than 0.1 µg/ml.

Solubility

It is recommended to reconstitute the lyophilized LIX Mouse in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

LIX Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P50228)