

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant LIX/CXCL5 (74aa), Mouse

Catalog Number: BK0262-50µg

Source: CHO

Quantity: 50µg

Description:

Mouse LIX (C-X-C motif chemokine 5) is a small cytokine belonging to the CXC chemokine family that is cleaved into the following 2 chains [GCP-2(1-78) and GCP-2(9-78)]. Mouse LIX plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which could be used to understand more about pain in other inflammatory conditions. It is most closely related to two highly homologous human neutrophil chemoattractants GCP-2 and ENA-78. The first 78 amino acid residues within the predicted mature mouse LIX shares approximately 61% and 55% amino acid identity with human GCP-2 and ENA-78. This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. Recombinant mouse LIX/CXCL5 (74aa) produced in CHO cells is a single polypeptide chain containing 74 amino acids. rmLIX/CXCL5(74aa) has a molecular mass of 8 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Molecular Weight:

8 kDa, observed by reducing SDS-PAGE.

Purity:

> 98% as analyzed by SDS-PAGE.

Biological Activity:

The EC50 value of mouse LIX/CXCL5 (74aa) on Ca²⁺ mobilization assay in CHO-K1/Gα15/mCXCR2

cells (human Gα15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 200 ng/mL.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

VIAATELRVCLTVTPKINPKLIANLEVIPAG-
PQCPTVEVIAKLLK-
NQKEVCLDPEAPVIKKIIQKILGSDKKKA

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant mouse LIX/CXCL5 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, mouse LIX/CXCL5 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.