Mouse CXCL5 Protein (His Tag)

Catalog Number: 50354-M08Y

General Information

Gene Name Synonym:
AMCF-II; ENA-78; GCP-2; LIX; Scyb5; Scyb6

Protein Construction:
A DNA sequence encoding the mouse Cxcl5 (NP_033167.2) (Val45-Ala118) was expressed with a polyhistidine tag at the C-terminus.

Source: Mouse
Expression Host: Yeast

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

Endotoxin:
Please contact us for more information.

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 45

Molecular Mass:
The recombinant mouse Cxcl5 consists of 84 amino acids and predicts a molecular mass of 9.4 kDa.

Formulation:
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

Protein Description

CXCL5 is a small cytokine belonging to the CXC chemokine family. CXC chemokines are particularly significant for leukocyte infiltration in inflammatory diseases. CXCL5 is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. It also can be detected in eosinophils, and can be inhibited with the type II interferon. CXCL5 plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which can be utilized to understand more about pain in other inflammatory conditions like arthritis and cystitis. It stimulates the chemotaxis of neutrophils possesses angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2.

References