

General Information

Gene Name Synonym

12-O-tetradecanoylphorbol 13-acetate repressed protein 1; C-X-C motif chemokine 12; Pre-B cell growth-stimulating factor; Thymic lymphoma cell-stimulating factor

Protein Construction

A DNA sequence encoding the mature form of mouse CXCL12 (P40224-1) (Lys22-Lys89) was expressed and purified with an initial Met.

Organism

Mouse

Expression Host

E. coli

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

Met

Molecular Mass

The recombinant mouse CXCL12 consists of 69 amino acids and predicts a molecular mass of 8.1 KDa. It migrates as an approximately 8 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50% acetonitrile, 1% TFA
1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

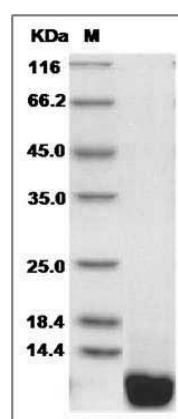
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse CXCL12 / SDF-1 Protein SDS-PAGE