

Recombinant Mouse Stromal Cell-Derived Factor 1 (Cxcl12), N-His

Cat. No.: AP4C116

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Stromal Cell-Derived Factor 1 (Cxcl12), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 9.2 kDa. The purity is >97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	9.2 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1mM EDTA, 1 mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Mouse Stromal Cell-Derived Factor 1 (Cxcl12) is a chemokine with diverse biological functions in mice. It regulates cell migration and homing, influencing the localization and function of hematopoietic stem cells, lymphocytes, and endothelial cells. Cxcl12 plays crucial roles in hematopoietic development, immune cell distribution, and angiogenesis. Changes in Cxcl12 expression and function are an important indicator of hematopoietic diseases, immune-related disorders, and angiogenesis-related diseases.

Protein	Mouse Stromal Cell-Derived Factor 1 (Cxcl12)
Protein Synonym	12-O-tetradecanoylphorbol; 13-acetate repressed protein 1; TPAR1; C-X-C motif chemokine 12; Pre-B cell growth-stimulating factor; PBSF; Thymic lymphoma cell-stimulating factor; TLSF
Gene ID	20315
EC No.	P40224

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.