# Human CXCL12 / SDF-1 beta (isoform a, His Tag) recombinant protein

Catalog Number: 504256

# **General Information**

#### Gene Name Synonym

C-X-C motif chemokine 12; Intercrine reduced in hepatomas; Pre-B cell growth-stimulating factor; SDF-1-beta(3-72); SDF-1-alpha(3-67)

# **Protein Construction**

A DNA sequence encoding the human CXCL12 isoform alpha (P48061-2) (Lys 22-Lys 89) was expressed, with a polyhistidine tag at the Nterminus.

#### Organism

Human

# **Expression Host**

E. coli

# **QC Testing**

#### Purity

> 90 % 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  $^{\circ}\mathrm{C}$ 

# **Predicted N terminal**

Met

#### **Molecular Mass**

TherecombinanthumanCXCL12consistsof84amino acidsandpredictsamolecularmassof10KDa.Itmigrat esasanapproximately12KDabandinSDS-PAGEunderreducingconditions. **Formulation** 

Lyophilized from sterile PBS, pH 7.4 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**

Human CXCL12 / SDF-1 Protein (isoform a, His Tag) SDS-PAGE



