

# Recombinant Mouse CXCL12/SDF-1 Protein

RPES0224

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0224

**Purity:** > 98 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 0.1 EU per µg of the protein as determined by the LAL method.

**Synonyms:** 12-O-tetradecanoylphorbol 13-acetate repressed protein 1, C-X-C motif chemokine 12, Cxcl12, PBSF, Pre-B cell growth-stimulating factor, SDF-1, Sdf1, Stromal cell-derived factor 1, TLSF, TPAR1, Thymic lymphoma cell-stimulating factor

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Measure by its ability to chemoattract BaF3 cells transfected with human CXCR4. The ED50 for this effect is <0.5 ng/mL.

**Calculated MW:** 9.0 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 11 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Accession:** P40224

**Source:** E.coli-derived Mouse  
CXCL12/SDF-1 protein Gly 21-Lys 89 , with  
an C-terminal His

**Sequence:** Gly 21-Lys 89

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.