

# Recombinant Human CXCL12 Protein(GST Tag)

RPES9395

## 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:** RPES9395

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg, 500µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Synonyms:** CXCL, SCYB, TPAR, C-X-C Motif Chemokine, Stromal Cell-Derived Factor, hSDF, SDF, CXCL12, IRH, PBSF, SCYB12, SDF1, TLSF, TPAR1, hIRH, C-X-C Motif Chemokine 12, hSDF-1, Interchrine Reduced in Hepatomas, Pre-B Cell Growth-Stimulating Factor, SDF-1, Stromal Cell-Derived Factor 1, SDF1A, SDF1B, 12-O-tetradecanoylphorbol 13-acetate repressed protein 1, AI174028, Chemokine (C-X-C motif) ligand 12, Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1), Chemokine CXC motif ligand 12, OTTHUMP00000019491, SDF 1, SDF-1a, SDF-1-alpha(3-67), SDF-1b, Stromal cell-derived factor 1 delta, Stromal cell-derived factor 1 gamma, Stromal cell-derived factor 1a, Stromal cell-derived factor-1 alpha, Thymic lymphoma cell-stimulating factor, Tlsfa, TLSF-a, Tlsfb, TLSF-b

**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:** N-GST

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

**Expression Host:** E.coli

**Bio-Activity:** Not validated for activity

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

**Calculated MW:** 33.5 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Observed MW:** 30 kDa

**Reconstitution:** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

**Accession:** P48061

**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

**Source:** E.coli-derived Human CXCL12 protein Lys22-Lys89, with an N-terminal GST

**Sequence:** Lys22-Lys89

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

**Form:** Lyophilized powder