

## Recombinant Human CXCL12 Protein (Lys22-Lys89)

| Catalog #                 | Source   | Reactivity | Applications        |
|---------------------------|--|------------|---------------------|
| CRP1412                   | E. coli  | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human CXCL12 Protein (Lys22-Lys89) is produced by our E.coli expression system and the target gene encoding Lys22-Lys89 is expressed.  |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  |            |                     |
| <b>Gene Symbol</b>        | CXCL12   |            |                     |
| <b>Alternative Names</b>  | SDF1; SDF1A; SDF1B; Stromal cell-derived factor 1; SDF-1; hSDF-1; C-X-C motif chemokine 12; Intercrine reduced in hepatomas; IRH; hIRH; Pre-B cell growth-stimulating factor; PBSF   |            |                     |
| <b>Entrez Gene</b>        | 6387 (Human)   |            |                     |
| <b>SwissProt</b>          | P48061 (Human)   |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.  |            |                     |
| <b>Chemical Structure</b> | KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK  |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.   |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |            |                     |
| <b>Storage/Stability</b>  | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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