

## 32-12310: Feline Stromal Cell-Derived Factor-1 beta (CXCL12)

**Gene :** CXCL12

**Gene ID :** 6387

**Uniprot ID :** P48061

**Alternative Name :** Stromal cell-derived factor 1,C-X-C motif chemokine 12, Intercrine reduced in hepatomas, Pre-B cell growth-stimulating factor

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 8.5 kDa (72 aa)

Stromal cell-derived factor-1 beta (SDF-1 beta ), also called CXCL12b, is one of two SDF-1 splice variants made by a wide variety of cells upon stimulation by inflammatory cytokines such as TNF, IL-1, and LPS. SDF-1 beta signals through the G protein-coupled receptor CXCR4 to recruit activated leukocytes.

### Product Info

**Amount :** 10 µg / 100 µg

**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%

**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

**Amino Acid :** KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNKRF KM

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



