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32-12309: Mouse Stromal Cell-Derived Factor-1 beta (CXCL12)

Gene :	Cxcl12
Gene ID :	20315
Uniprot ID :	P40224-2
Alternative Name :	Stromal cell-derived factor 1, 12-O-tetradecanoylphorbol 13-acetate repressed protein 1, Â C-X-C motif chemokine 12, Pre-B cell growth-stimulating factor, Â Thymic lymphoma cell-stimulating factor

Description

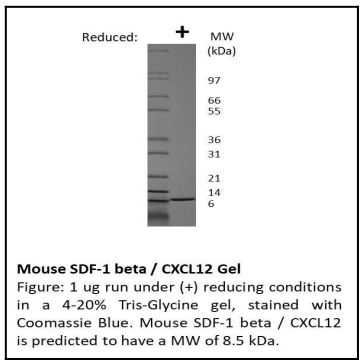
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 8.5 kDa (72 aa)
Stromal cell-derived factor-1 beta (SDF-1 beta), also called CXCL12b, is one of two SDF-1 splice variants made by a wide variety of cells upon stimulation by inflammatory cytokines such as TNF, IL-1, and LPS. SDF-1 beta signals 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 CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNKRL KM

Application Note

Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by Bioactive protein. 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 -80Ã‚Â°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 vialed to compensate for this loss.



Mouse SDF-1 beta / CXCL12 Gel
Figure: 1 ug run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse SDF-1 beta / CXCL12 is predicted to have a MW of 8.5 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.