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32-12306: Human Stromal Cell-Derived Factor-1 alpha (CXCL12)

Gene :	CXCL12
Gene ID :	6387
Uniprot ID :	P48061
Alternative Name :	Stromal cell-derived factor 1, Â C-X-C motif chemokine 12, Intercrine reduced in hepatomas, Pre-B cell growth-stimulating factorÂ Â Â Â Â Â Â Â

Description

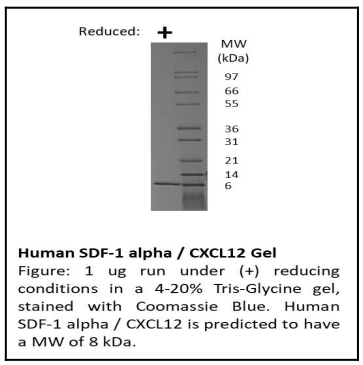
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 8 kDa (68 aa)
Stromal cell-derived factor-1 alpha (SDF-1 alpha), also called CXCL12a, is one of two SDF-1 splice variants made by a wide variety of cells upon stimulation by inflammatory cytokines such as TNF, IL-1, and LPS. SDF-1alpha signals through the G protein-coupled receptor CXCR4 to recruit activated leukocytes. Human and mouse SDF-1 alpha share 99% sequence identity.

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 YLEKALNK

Application Note

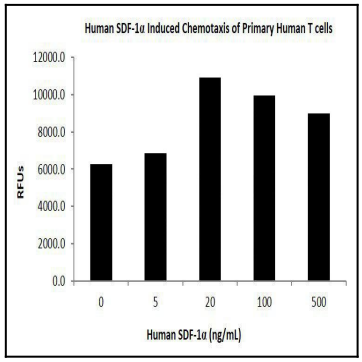
Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity was determined by Bioactive protein. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°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.



Human SDF-1 alpha / CXCL12 Gel
Figure: 1 ug run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human SDF-1 alpha / CXCL12 is predicted to have a MW of 8 kDa.

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

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