

Human SDF 1a Recombinant Protein



RPPB1247

Product Information Protein Information

Product SKU:

RPPB1247

Accession:

P48061

Host:

Escherichia Coli.

Protein description:

Stromal Cell-Derived Factor-1 alpha Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 78 amino acids, having a molecular mass of 9.2 kDa. The SDF-1a is fused to 10 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

White lyophilized (freeze-dried) powder.

Synonyms:

SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12, SDF1, SDF1A, TPAR1, SCYB12, SDF-1a, TLSF-a.

Formulation:

The protein was filtered (0.4µm) and lyophilized from a concentrated (0.5mg/ml) solution containing 20mM Tris buffer pH-7.5 and 20mM sodium chloride.

Purity:

Greater than 95.0% as determined SDS-PAGE.

Solubility:

It is recommended to add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.

Stability:

Lyophilized SDF1A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL12 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MKHHHHHHAS KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK.