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ImmunO™

Recombinant Mouse Stromal Cell-Derived Factor-1-alpha (CXCL12)

Catalog #: 98276

Lot #: 8644K

Form: Sterile filtered white lyophilized (freeze-dried) powder with no additives.

Description: Recombinant Mouse SDF-1-a produced in E.coli is a non-glycosylated polypeptide chain containing 68 amino acids and having a molecular mass of 7921 Dalton.

Source: E.coli

Reconstitution: It is recommended to reconstitute the lyophilized product at a concentration of 0.1 mg/ml with sterile water. This solution can then be further diluted into other aqueous solutions.

Note: Centrifuge vial before opening. When reconstituting carefully wash down the sides of the vial to ensure full recovery of the protein into solution.

Purity: > 98% (by RP-HPLC and reducing and non-reducing SDS-PAGE).

Endotoxin: The endotoxin level is <0.01 ng/□g or <0.1 EU/□g.

Protein: Protein content is determined by UV spectroscopy at 280 nm, analysis by RP-HPLC calibrated against a known standard and quantitation on SDS-PAGE against a known standard.

Biological

Activity: Mouse SDF-1-alpha is fully biologically active when compared to standard. The specific activity is determined by its ability to chemoattract human monocytes at 50.0 - 100.0 ng/ml.

AA

Sequence: KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK

Storage: Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

A handwritten signature in black ink that reads 'Christina Marotta'.

Approved by: Christina Marotta
Quality Control Director

Control # R1013