

Human MIF His C Recombinant Protein



RPPB0762

Product Information Protein Information

Product SKU:

RPPB0762

Accession:

P14174

Host:

Escherichia Coli.

Protein description:

MIF human Recombinant, fused to His-tag at C-terminus, was cloned into an E. coli expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques. Macrophage Inducing Factor Human Recombinant is a single, non-glycosylated, polypeptide chain containing 123 amino acids and having a molecular mass of 13.5 kDa.

Appearance:

Sterile Filtered lyophilized powder.

Synonyms:

Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.

Formulation:

Human MIF was lyophilized from a 1mg/ml solution containing PBS pH-7.4.

Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MIF in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized MIF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIF 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:

MPMFIVNTNVPRAVDPDGLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLH SIGKIGGAQNRS
YSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFALEHHHHHHH.

Biological Activity:

Measured by its ability to bind rhCD74 in a functional ELISA.