

Rat MIF Recombinant Protein



RPPB0766

Product Information Protein Information

Product SKU:

RPPB0766

Accession:

P30904

Host:

Escherichia Coli.

Protein description:

MIF Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 115 amino acids and having a molecular mass of 12.5kDa. The MIF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Macrophage migration inhibitory factor, MIF, Glutathione-binding 13 kDa protein, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4 and 5% trehalose.

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:

MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTSDPCALC SLHSIGKIGG AQRNRYSKLL CGLLSDRHLHI SPDRVYINYY DMNAANVGWN GSTFA.