ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Macrophage Migration Inhibitory Factor Human Recombinant, His Tag C

Item Number	rAP-2367
Synonyms	Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.
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-
Uniprot Accesion Number	P14174
Amino Acid Sequence	MPMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALC-SLHSIGKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFALEHHHHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered lyophilized powder. 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.
Formulation and Purity	Human MIF was lyophilized from a 1mg/ml solution containing PBS pH-7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
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.
Biological Activity	Measured by its ability to bind rhCD74 in a functional ELISA.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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