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32-1599: MIF His C Recombinant Protein

Alternative Name : Phenylpyruvate tautomerase,Glycosylation-inhibiting factor,GIF,MMIF,MIF.

Description

Source : Escherichia Coli. 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 chaincontaining 123 amino acidsand having a molecular mass of 13.5 kDa. The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Human MIF was lyophilized from a 1mg/ml solution containing PBS pH-7.4.
Storage condition :	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 :	MPMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSIGKIGGAQNR SYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFALEHHHHHH.

Application Note

It is recommended to reconstitute the lyophilized MIF in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. Measured by its ability to bind rhCD74 in a functional ELISA.