

Macrophage Migration Inhibitory Factor Rat Recombinant

Item Number	rAP-2364
Synonyms	Macrophage migration inhibitory factor, MIF, Glutathione-binding 13 kDa protein, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase.
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.
Uniprot Accession Number	P30904
Amino Acid Sequence	MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTSDPCALC SLHSIG-KIGG AQNRNYSKLL CGLLSDDLHI SPDRVYINYY DMNAANVGWN GSTFA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) 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	Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4 and 5% trehalose. 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 H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
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**