



# Certificate of Analysis

## MIF Protein, Human

Cat. No.:	HY-P7387
Batch No.:	400075
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P14174 (M1-A115)
Gene ID:	4282
Molecular Weight:	Approximately 12.5 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit THP-1 human acute monocyte migration .The ED <sub>50</sub> this effect is ≤12.71 ng/mL, corresponding to a specific activity is ≥7.87×10 <sup>4</sup> U/mg.	9.997 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA