

Product datasheet for **TP723300**

MIF (NM_002415) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human macrophage migration inhibitory factor (glycosylation-inhibiting factor) (MIF).
Species:	Human
Expression Host:	Hi-5 insect
Expression cDNA Clone or AA Sequence:	HHHHHHHHAM PMFIVNTNVP RASVPDGFLS ELTQQLAQAT GKPPQYIAVH VPDQLMAFG GSSEPCALCS LHSIGKIGGA QNRSYSKLLC GLLAERLRIS PDRVYINYD MNAANVGWNN STFA
Tag:	N-His
Predicted MW:	15 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit monocyte migration.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002406
Locus ID:	4282
UniProt ID:	P14174
RefSeq Size:	561
Cytogenetics:	22q11.23
RefSeq ORF:	345
Synonyms:	GIF; GLIF; MMIF



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Summary: This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Phenylalanine metabolism, Tyrosine metabolism