

Product datasheet for PH305106

MIF (NM_002415) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MIF MS Standard C13 and N15-labeled recombinant protein (NP_002406)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205106
Predicted MW:	12.5 kDa
Protein Sequence:	>RC205106 protein sequence Red =Cloning site Green =Tags(s) MPMFIVNTNVPRASVPDGF LSEL TQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSIGKIGG AQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002406
RefSeq Size:	561
RefSeq ORF:	345
Synonyms:	GIF; GLIF; MMIF
Locus ID:	4282
UniProt ID:	P14174 , I4AY87
Cytogenetics:	22q11.23



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Summary:

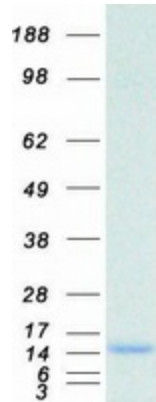
This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex 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

Product images:

Coomassie blue staining of purified MIF protein (Cat# [TP305106]). The protein was produced from HEK293T cells transfected with MIF cDNA clone (Cat# [RC205106]) using MegaTran 2.0 (Cat# [TT210002]).