

**MIF, 1-115aa, Human, GST tag, E.coli**

**Cat.NO.: TP02976**

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3th Edition

**Synonyms:** Macrophage migration inhibitory factor, GIF, GLIF, MMIF

**Description:** MIF also known as 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. Recombinant human MIF, fused to GST-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline(pH7.4) containing 10% glycerol

**Molecular Weight:** 39.2kDa (345aa) confirmed by MALDI-TOF

**Sequences:**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMIIIRYIADK  
HNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFM  
LYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGQWQATFGGGDHPPKSDLVPRGSPEFA  
MPMFIVNTNVPRASVPDGFSEL TQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSIGKIGGAQNRSY  
SKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.