

MIF/GLIF/GIF, Human, Recombinant

Cat. No. : PCK277

General Information

Synonyms	GLIF;mMIF;GIF;Glycosylation-inhibiting factor
Species	Human
Expression host	E.coli
Sequence	MPMFIVNTNVPRASVPDGFSELSTQQLAQATGKPPQYIAVHVDPQLMAFGGSSEPCALCSLH SIGKIGGAQNRYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA with polyhistidine tag at the C-terminus.
Accession	P14174.4
Tag	His-tag at the C-terminus
Mol mass	13.28 kDa
Expiration date	12 months

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Macrophage migration inhibitory factor (MIF or mMIF), also known as glycosylation-inhibiting factor (GIF), L-dopachrome isomerase, or phenylpyruvate tautomerase is a protein that in humans is encoded by the MIF gene. MIF contributes to malignant disease progression on several different levels. Both circulating and intracellular MIF protein levels are elevated in cancer patients and MIF expression reportedly correlates with stage, metastatic spread and disease-free survival.

SDS-PAGE

