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Recombinant Mouse MIF Protein (His Tag)

Catalog No. PKSM041107

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Macrophage migration inhibitory factor; Delayed early response protein

6;DER6;Glycosylation-inhibiting factor;GIF;L-dopachrome isomerase;L-

dopachrome tautomerase; Phenylpyruvate tautomerase;

SpeciesMouseExpression HostE.coli

Sequence Pro2-Ala115
Accession P34884
Calculated Molecular Weight 13.3 kDa
Observed molecular weight 11-17 kDa
Tag C-His

Bioactivity Not validated for activity

Properties

Purity > 98 % as determined by reducing SDS-PAGE.

Endotoxin < 0.1 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4.

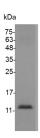
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

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Macrophage migration inhibitory factor(MIF) is a secreted protein and belongs to the MIF family. MIF is an important regulator of innate immunity. The circulating MIF binds to CD74 on other immune cells to trigger an acute immune response. Hence MIF is classified as an inflammatory cytokine. Furthermore glucocorticoids also stimulate white blood cells to release MIF and hence MIF partially counter acts the inhibitory effects that glucocorticoids have on the immune system. Finally trauma activates the anterior pituitary gland to release MIF.

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