

Recombinant Mouse MIF Protein (His Tag)

Catalog Number: PKSM041107

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

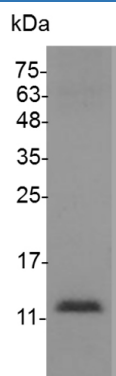
Description

Species	Mouse
Source	E.coli-derived Mouse MIF protein Pro2-Ala115, with an C-terminal His
Calculated MW	13.3 kDa
Observed MW	11-17 kDa
Accession	P34884
Bio-activity	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% Tween 80 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

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 counteracts the inhibitory effects that glucocorticoids have on the immune system. Finally trauma activates the anterior pituitary gland to release MIF.

For Research Use Only