

Mouse Periostin/OSF-2 Protein, Ultra Low Endotoxin

Cat. No. OSF-MM102-UL

Description	
Source	Recombinant Mouse Periostin/OSF-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn24-Gln811.
Accession	Q62009-1
Molecular Weight	The protein has a predicted MW of 88.7 kDa. Due to glycosylation, the protein migrates to 90-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

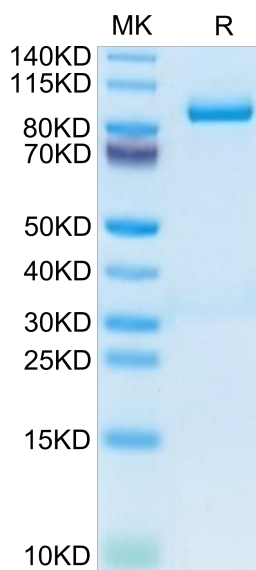
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Periostin is a matricellular protein that is expressed in several tissues during embryonic development; however, its expression in adults is mostly restricted to collagen-rich connective tissues. Periostin is expressed only briefly during kidney development, but it is not normally detected in the adult kidney. Recent evidence has revealed that periostin is aberrantly expressed in several forms of chronic kidney disease (CKD), and that its expression correlates with the degree of interstitial fibrosis and the decline in renal function.

Assay Data

Bis-Tris PAGE



Mouse Periostin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.