Human Periostin/OSF-2 Protein

Cat. No. OSF-HM102

Description

Source	Recombinant Human Periostin/OSF-2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asn22-Gln836.
Accession	Q15063
Molecular Weight	The protein has a predicted MW of 92.1 kDa. Due to glycosylation, the protein migrates to 93-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

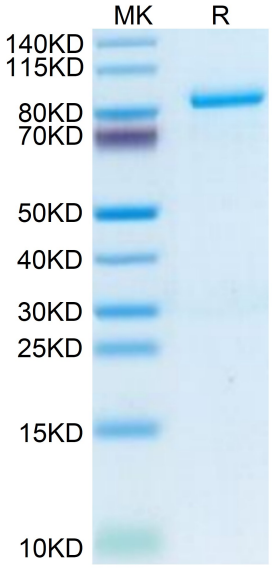
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



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

SEC-HPLC

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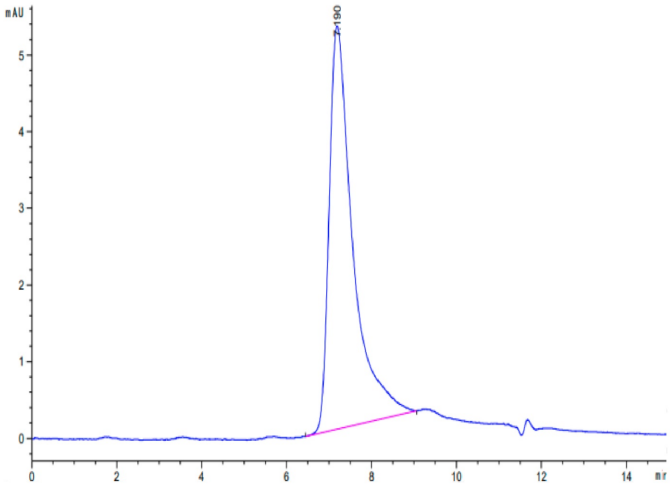
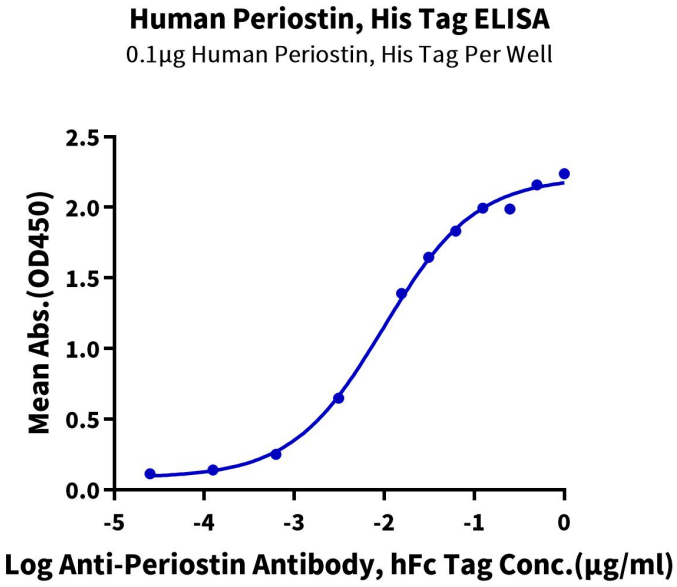
Assay Data



The purity of Human Periostin is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human Periostin, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-Periostin Antibody, hFc Tag with the EC50 of 9.9ng/ml determined by ELISA.