

Datasheet for ABIN7275382

Periostin Protein (POSTN) (AA 24-811) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Periostin (POSTN)
Protein Characteristics:	AA 24-811
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Periostin protein is labelled with His tag.

Product Details

Purpose:	Mouse Periostin/OSF-2 Protein
Sequence:	Asn24-Gln811
Characteristics:	Recombinant Mouse Periostin/OSF-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn24-Gln811.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Periostin (POSTN)
Alternative Name:	Periostin (POSTN Products)

Target Details

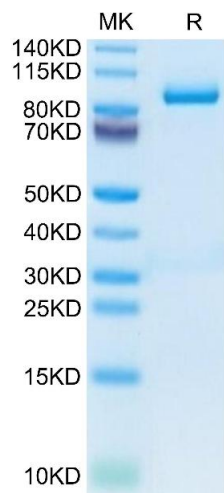
Background:	Periostin is a matricellular protein that is expressed in several tissues during embryonic development, however, its expression in adults is mostly restricted to collagen-rich connective tissues. Periostin is expressed only briefly during kidney development, but it is not normally detected 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.
Molecular Weight:	88.7 kDa. Due to glycosylation, the protein migrates to 90-95 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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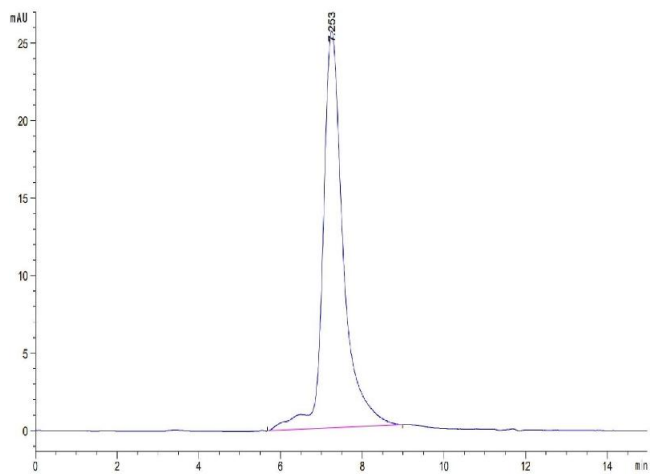
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse Periostin/OSF-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse Periostin/OSF-2 is greater than 95 % as determined by SEC-HPLC.