

Datasheet for ABIN7320275

Periostin Protein (POSTN) (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Mouse Periostin/POSTN Protein (His Tag)(Active)
Sequence:	Met 1-Gln 811
Characteristics:	A DNA sequence encoding the full length of mouse POSTN (NP_056599.1) (Met 1-Gln 811) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When cells are added to POSTN-His coated plates (10 µg/mL, 100 µL/well), approximately >40% will adhere specifically after 30 minutes at 37°C.

Target Details

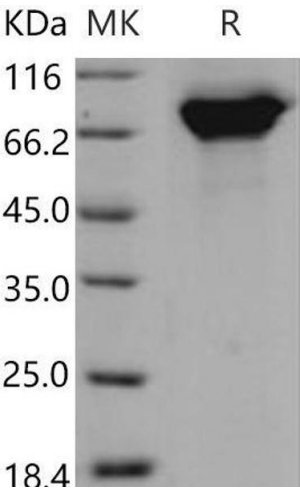
Target:	Periostin (POSTN)
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Target Details

Alternative Name:	Periostin/POSTN (POSTN Products)
Background:	<p>Background: Periostin (POSTN), also known as OSF2 (osteoblast specific factor 2), is a heterofunctional secreted extracellular matrix (ECM) protein comprised of four fasciclin domains that promotes cellular adhesion and movement, as well as collagen fibrillogenesis. Postn is expressed in unique growth centers during embryonic development where it facilitates epithelial-mesenchymal transition (EMT) of select cell populations undergoing reorganization. In the adult, Postn expression is specifically induced in areas of tissue injury or areas with ongoing cellular re-organization. In the adult heart Postn is induced in the ventricles following myocardial infarction, pressure overload stimulation, or generalized cardiomyopathy. Although the detailed function of Postn is still unclear, Postn-integrin interaction is thought to be involved in tumor development. Postn is frequently overexpressed in various types of human cancers, stimulating metastatic growth by promoting cancer cell survival, invasion and angiogenesis, and can be a useful marker to predict the behavior of cancer.</p> <p>Synonym: A630052E07Rik,AI747096,OSF-2,Osf2,peri,PLF,PN</p>
Molecular Weight:	89 kDa
NCBI Accession:	NP_056599

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>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.</p>



Western Blotting

Image 1.