Periostin Protein, Human (781a.a, HEK293, His)

Cat. No.:	HY-P74638
Synonyms:	Osteoblast-specific factor 2; OSF-2; POSTN; Periostin
Species:	Human
Source:	HEK293
Accession:	B1ALD9 (M1-Q781)
Gene ID:	10631
Molecular Weight:	66-80 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 5% Trehalose, pH 7.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Periostin (POSTN) is a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. POSTN binds to integrins to support adhesion and migration of epithelial cells, POSTN also enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase, contributing to the structural integrity of connective tissues. POSTN plays a role in cancer stem cell maintenance and metastasis. Lacking of POSTN causes cardiac valve disease, skeletal and dental defects[1][2].

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