

Periostin Protein, Mouse (788a.a, HEK293, His)

Cat. No.:	HY-P78332
Synonyms:	Periostin; PN; OSF-2; POSTN; OSF2; Fasciclin I-like; PDLPOSTN; PNRP11-412K4.1; TRIF52
Species:	Mouse
Source:	HEK293
Accession:	Q62009 (N24-Q811)
Gene ID:	50706
Molecular Weight:	90-95 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Periostin protein, a multifunctional molecule, plays a pivotal role in cellular processes by inducing cell attachment and spreading, demonstrating its significance in cell adhesion dynamics. Moreover, Periostin contributes to the structural integrity of connective tissues by enhancing the incorporation of BMP1 into the fibronectin matrix, leading to the subsequent proteolytic activation of lysyl oxidase LOX. Structurally, Periostin exists as a homodimer, and functionally, it interacts with key partners including BMP1 and fibronectin. This intricate network of interactions underscores the diverse functions of Periostin in mediating cellular adhesion and contributing to the extracellular matrix architecture of connective tissues, highlighting its essential role in maintaining tissue integrity and function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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