

Recombinant Human periostin, osteoblast specific factor Protein, His&Flag tagged

Cat. No. POSTN-109H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant human Periostin/OSF-2 protein (Q15063) (Asn 22-Ala 631) with both His, Flag tag at the C-terminus was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 22-631aa |
| Description | This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. Induces cell attachment and spreading and plays a role in cell adhesion. Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX. |
| Tag | C-His&Flag |
| Molecular Mass | 70.1 kDa |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| Endotoxin | Less than 1.0 EU/μg by the LAL method. |
| Purity | >95% as determined by SDS-PAGE. |
| Storage | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol. |
| Reconstitution | Reconstitute at 250 μg/mL in sterile water. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | POSTN periostin, osteoblast specific factor [Homo sapiens (human)] |
| Official Symbol | POSTN |
| Synonyms | POSTN; periostin, osteoblast specific factor; periostin; OSF 2; PN; periostin isoform thy2; periostin isoform thy4; periostin isoform thy6; periostin isoform thy8; osteoblast-specific factor 2; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like); OSF2; OSF-2; PDLPOSTN; RP11-412K4.1; MGC119510; MGC119511; |
| Gene ID | 10631 |
| mRNA Refseq | NM_001135934 |
| Protein Refseq | NP_001129406 |

 Tel: 1-631-559-9269 1-516-512-3133

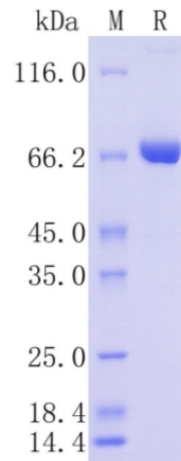
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 608777

UniProt ID Q15063

Protein on SDS-PAGE under reducing (R) condition.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA