



# AVISCERA BIOSCIENCE

## HUMAN PERIOSTIN (POSTN)/OSF-2 RECOMBINANT

### Product Information

|                |   |
|----------------|---|
| Code           | 00072-07-10                             |
| Name           | Periostin<br>(Human) rec.               |
| Lot No.        |   |
| Size           | 10 µg                                   |
| Species        | Human                                   |
| Sequence       | Mature form                             |
| Protein ID     | NP_001129407                            |
| Gene ID        | NM_001135935                            |
| MW             | 80 KD (reduce)                          |
| Tag            | His tag on C terminus                   |
| Source         | Human cells                             |
| Purity         | >97% in SDS-PAGE gel<br>PBS lyophilized |
| Formulation    | Form without preservatives              |
| Carry          | 0.5% Protein                            |
| Storage        | -20 °C ~ -70 °C                         |
| Reconstitution | 100 µl                                  |
| Application    | ELISA                                   |

Alternative name(s):  
Osteoblast Specific Factor 2  
Periodontal ligament-specific Periostin

### Description

A DNA sequence encoding the Human Periostin isoform 3 (Met1-Gln781) was fused with a 6 histidine tag at the C-terminus. The secreted recombinant human periostin generated after removal of the signal peptide comprises 771 amino acids with a predicted molecular mass of 88 kDa. As a result of glycosylation, it migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized 10 µg of human periostin in 100 µl of PBS contains 0.5% gelatin.

### Reconstitution & Storage

Add 100 µl deionized water to the vial to prepare a working stock solution at 100 µg/mL. Allow to set at least 30 minutes at 4 °C, mix well.

Store lyophilized protein at -20 °C or -70 °C. Lyophilized protein is stable for up to 6 months from date of receipt at -20 °C to -70 °C. Upon reconstitution, this protein can be stored at -20 °C for a few weeks or at -70 °C in a manual defrost freezer for long term storage (12 months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

**Sequence:** Human Periostin/OSF-2 isoform 3

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