HUMAN PERIOSTIN (POSTN)/OSF-2 RECOMBINANT

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