

Recombinant Full Length Human POSTN, Isoform 3, His tagged

Cat. No. POSTN-820H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POSTN isoform 3 (NP_001129407.1) corresponding to amino acid (Met 1-Gln 781) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-781 aa
Form	Lyophilized from sterile PBS, 5% Trehalose, pH 7.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When cells are added to POSTN-His coated plates (10µg/mL, 100µL/well), approximately >60% will adhere specifically after 30 minutes at 37°C.
Molecular Mass	The recombinant human POSTN consists of 771 amino acids and has a predicted molecular mass of 86.4 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 66-80 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name POSTN periostin, osteoblast specific factor [Homo sapiens]

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

MIM 608777

UniProt ID Q15063

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