

Recombinant Full Length Mouse Postn, Isoform 2, His tagged

Cat. No. Postn-3297M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse POSTN (NP_056599.1) (Met 1-Gln 811) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-811 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. 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 (10 µg/mL, 100 µL/well), approximately >40% will adhere specifically after 30 minutes at 37°C.
Molecular Mass	The secreted recombinant mouse POSTN consists of 799 amino acids and has a calculated molecular mass of 89 kDa. The apparent molecular mass of rmPOSTN is approximately 80-85 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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 \[Mus musculus \]](#)

Official Symbol [Postn](#)

Synonyms

POSTN; periostin, osteoblast specific factor; periostin; periostin-like factor; osteoblast-specific factor 2; osteoblast specific factor 2 (fasciclin I-like); PN; PLF; Osf2; peri; OSF-2; AI747096; A630052E07Rik;

Gene ID [50706](#)

mRNA Refseq [NM_001198765](#)

Protein Refseq [NP_001185694](#)

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