

Active GMP Recombinant Human POSTN Protein

Cat. No. POSTN-146HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POSTN, Asn22-Gln836, was produced in NS0 cell under cGMP guidelines.
Species	Human
Source	Mammalian Cells
ProteinLength	22-836 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.
Bio-activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells.
Molecular Mass	Predicted Molecular Mass: 91.7 kDa SDS-PAGE: 85-90 kDa
N-terminal Sequence Analysis	Asn22-Asn-His-Tyr-Asp-Lys-Ile-Leu-Ala-His
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Avoid repeated freeze-thaw cycles.

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12 months, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

Quality Statement Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name [POSTN periostin, osteoblast specific factor \[Homo sapiens \]](#)

Official Symbol [POSTN](#)

Synonyms POSTN; periostin; OSF 2; PN; periostin isoform thy2; periostin isoform thy4; periostin isoform thy6; periostin isoform thy8; OSF2; OSF-2; PDLPOSTN; RP11-412K4.1

Gene ID [10631](#)

mRNA Refseq [NM_001135934](#)

Protein Refseq [NP_001129406](#)

MIM [608777](#)

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UniProt ID

Q15063

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