

Recombinant Human POSTN Protein (His Tag)

Catalog No. PKSH033827

Note: Centrifuge before opening to ensure complete recovery of vial contents.

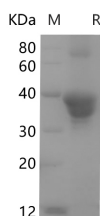
Description

Synonyms	Fasciclin-I like, MGC119510, MGC119511, OSF 2, OSF-2, OSF2, Osteoblast specific factor 2 (fasciclin I like), Osteoblast specific factor 2, Osteoblast specific factor, Osteoblast-specific factor 2, PDLPOSTN, Periodontal ligament specific periostin, Periostin, Periostin isoform thy2, Periostin isoform thy4, Periostin isoform thy6, Periostin isoform thy8, Periostin osteoblast specific factor, PN, POSTN, POSTN, RP11 412K4.1
Species	Human
Expression Host	E.coli
Sequence	Ala21-Leu365
Accession	Q15063-1
Calculated Molecular Weight	38 kDa
Observed molecular weight	40.3 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 1mM EDTA, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

For Research Use Only

Background

Periostin (POSTN,PN),originally named as osteoblast-specific factor 2 (OSF-2),is a 90-kDa secreted protein which is now classified as a matricellular protein. It is present in a wide variety of normal adult tissues and fetal tissues,and has a role in bone,tooth and heart development and function. Studies show that periostin is overexpressed in a broad range of human cancer types,includidng lung,ovary,breast and colon cancers. Recent evidence reveals that periostin is expressed by fibroblasts in the normal tissue and in the stroma of the primary tumour,and it is required to allow cancer stem cell maintenance.