

General Information

Gene Name Synonym

Osteoblast-specific factor 2

Protein Construction

A DNA sequence encoding the full length of mouse POSTN (NP_056599.1) (Met 1-Gln 811) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

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.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Asn 24

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.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

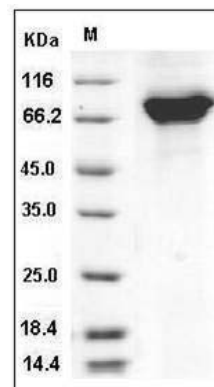
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse Periostin / POSTN Protein (His Tag) SDS-PAGE