

Recombinant Mouse OPN/Spp1 Protein, C-His (Active)

Summary

Catalog No.	AMC81101
Alternative Names	Osteopontin, BNSP, Uropontin, OPN, SPP-1, Secreted phosphoprotein 1, Bone sialoprotein 1, Nephropontin, Urinary stone protein, SPP1
Form	Lyophilized
Storage buffer	Lyophilized from a solution in PBS pH 7.4, 5% Trehalose, 5% Mannitol.
Purity	>90% as determined by SDS-PAGE.
Applications	Bioactivity, ELISA, Immunogen, SDS-PAGE, WB
Biological activity	Measured by the ability of the immobilized protein to support the adhesion of human embryonic kidney cells (HEK293). When 1×10^5 cells/well are added to a recombinant mouse OPN/Spp1 (Cat #: AMC81101) coated plate, cell adhesion is enhanced in a dose-dependent manner after 1 hour incubation at 37 °C. The ED50 for this effect is 0.25-1.5 µg/mL. Recombinant human Coagulation Factor II/Thrombin proteolytic treatment of this rmOsteopontin can increase HEK293 cell adhesion by about 10-fold.
Endotoxin level	<0.1 EU/µg of the protein by the LAL method.
Expression system	Mammalian Cells
Accession	Q547B5
Protein length	Leu17-Asn294 (Glu99Gly)
Nature	Recombinant

Recombinant Proteins & Antibodies

Stability and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Species	Mus musculus (Mouse)
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
Note	For research use only.

Data Image
