

Datasheet for ABIN7607591

Osteopontin Protein (AA 17-294, E99G) (His tag)



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Osteopontin (SPP1)
Protein Characteristics:	AA 17-294, E99G
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Osteopontin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), Immunogen (Imm), ELISA, Activity Assay (AcA)

Product Details

Purpose:	Recombinant Mouse OPN/Spp1 Protein, C-His (Active)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	<0.1 EU/µg of the protein by the LAL method.
Biological Activity Comment:	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.

Target Details

Target:	Osteopontin (SPP1)
Alternative Name:	Osteopontin (SPP1 Products)
Background:	Osteopontin, BNSP, Uropontin, OPN, SPP-1, Secreted phosphoprotein 1, Bone sialoprotein 1, Nephropontin, Urinary stone protein, SPP1
UniProt:	Q547B5
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from a solution in PBS pH 7.4, 5 % Trehalose, 5 % Mannitol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months