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Datasheet for ABIN7534598 Osteopontin Protein (His tag)

Overview

Quantity:	50 µg
Target:	Osteopontin (SPP1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Osteopontin protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Osteopontin/SPP-1 Protein
Sequence:	IPVKQADSGS SEEKQLYNKY PDAVATWLNP DPSQKQNLLA PQLTPSKSNE SHDHMDDMDD EDDDDHVDSQ DSIDSNDSDD VDDTDDSHQS DESHHSDESD ELVTDFPTDL PATEVFTPVV PTVDTYDGRG DSVVYGLRSK SKKFRRPDIQ YPDATDEDIT SHMESEELNG AYKAIPVAQD LNAPSDWDSR GKDSYETSQL DDQSAETHSH KQSRLYKRKA NDESNEHSDV IDSQELSKVS REFHSHEFHS HEDMLVDPK SKEEDKHLKF RISHELDSAS SEVN
Specificity:	Ile17-Asn300
Purity:	> 87 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human SPP1 Protein at 1 µg/mL (100 µL/well) can bind Osteopontin Rabbit mAb with a linear range of 0.976-11.58 ng/mL.

Target Details

Target:	Osteopontin (SPP1)
Alternative Name:	Osteopontin/SPP-1 (SPP1 Products)
Background:	BNSP,BSPI,ETA-1,OPN,Osteopontin,SPP1
Gene ID:	6696
UniProt:	P10451-5
Pathways:	Regulation of Cell Size

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.