

## Active Recombinant Human SPP1, His-tagged

Cat. No. SPP1-616H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPP1 (Accession # NP_000573.1) Ile17-Asn300, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	17-300 a.a.
<b>Predicted N Terminal</b>	Ile17
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of HEK293 human embryonic kidney cells. Agnihotri, R. et al. (2001) J. Biol. Chem. 276:28261. Recombinant Human (rh) Osteopontin/OPN immobilized at 1 µg/mL, 100 µL/well, will mediate the adhesion of added 293 cells >30% (1 x 10 <sup>5</sup> cells/well). Recombinant Human Coagulation Factor II/Thrombin proteolytic treatment of this rhOsteopontin/his can increase HEK293 cell adhesion by about 5-fold.
<b>Molecular Mass</b>	Recombinant Human SPP1, His-tagged has a calculated MW of 32.9 kDa. In SDS-PAGE migrates as 60-65 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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**Storage** Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

**Reconstitution** Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme [ Homo sapiens ]

**Official Symbol** PPP3CA

**Synonyms** PPP3CA; protein phosphatase 3, catalytic subunit, alpha isozyme; CALN, CALNA, protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform , protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha); serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform; calcineurin A alpha; CNA1; PPP2B; protein phosphatase 2B; catalytic subunit; alpha isoform; CAM-PRP catalytic subunit; calmodulin-dependent calcineurin A subunit alpha isoform; protein phosphatase 2B, catalytic subunit, alpha isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform; CALN; CCN1; CALNA; CALNA1;

**Gene ID** 5530

**mRNA Refseq** NM\_000944

**Protein Refseq** NP\_000935

**MIM** 114105

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<b>UniProt ID</b>	Q08209
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<b>Chromosome Location</b>	4q24
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