

Active Recombinant Human SPP1 protein, His-tagged

Cat. No. SPP1-447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPP1 protein(Ile17-Asn300), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	17-300 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	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.
Molecular Mass	32.97 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 85 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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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.

GENE INFORMATION
Gene Name

[SPP1 secreted phosphoprotein 1 \[Homo sapiens \]](#)

Official Symbol

[SPP1](#)

Synonyms

SPP1; secreted phosphoprotein 1; BNSP, bone sialoprotein I , OPN, osteopontin; osteopontin; BSPI; early T lymphocyte activation 1; ETA 1; uropontin; nephropontin; osteopontin-C; osteopontin-D; SPP1/CALPHA1 fusion; bone sialoprotein 1; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1); OPN; BNSP; ETA-1; MGC110940;

Gene ID

[6696](#)

mRNA Refseq

[NM_000582](#)

Protein Refseq

[NP_000573](#)

MIM

[166490](#)

UniProt ID

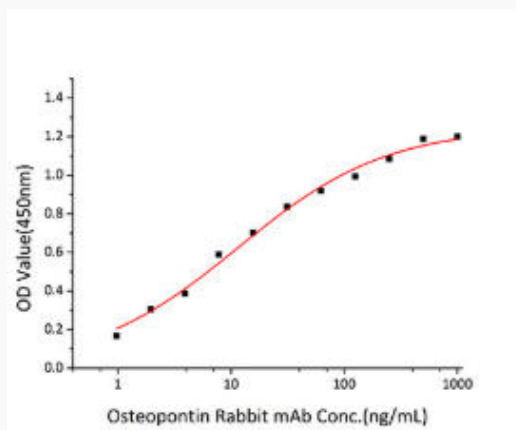
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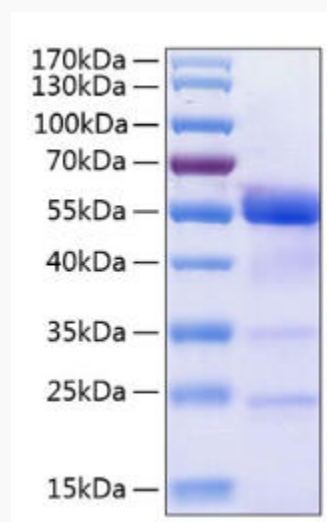
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Activity



SDS-PAGE



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