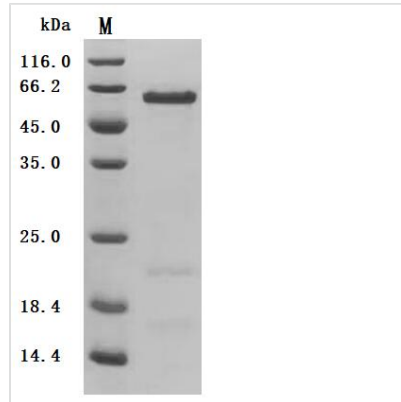




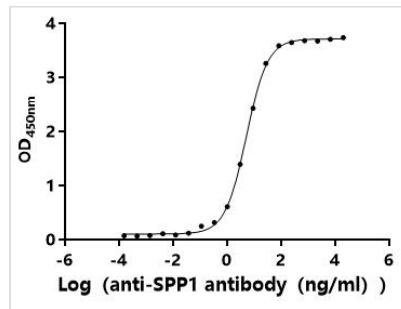
# Recombinant Human Osteopontin (SPP1) (Active)

<b>Product Code</b>	CSB-MP022603HU
<b>Abbreviation</b>	Recombinant Human SPP1 protein (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P10451
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human SPP1 at 2 µg/mL can bind Anti-SPP1 recombinant antibody (CSB-RA022603MA1HU). The EC50 is 4.929-5.425 ng/mL.
<b>Purity</b>	≥ 95% as determined by SDS-PAGE.
<b>Sequence</b>	IPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQKQNLLAPQNAVSSEETND FKQETLPSKSNESHDMDDMDEDDDDHVDSDQSDSIDSNDSDDDVDDTDDSHQ SDESHHSDSEDELVTDFPTDLPATEVFTPVVPTVDTYDGRGDSVVYGLRSKSK KFRRPDIQYPDATDEDITSHMESEELNGAYKAIPVAQDLNAPSDWDSRGKDSY ETSQLDDQSAETHSHKQSRLYKRKANDESNEHSDVIDSQELSKVSREFHSHE FHSHEMLVVDPKSKEEDKHLKFRISHELDSASSEVN
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SPP1
<b>Expression Region</b>	17-314aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	35.1 kDa
<b>Protein Length</b>	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
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### Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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