

Osteopontin/SPP-1 Recombinant Protein | SPP1 recombinant protein

Recombinant Mouse Osteopontin/SPP-1 Protein

CATALOG #
AAA283390

HOST
HEK293 cells

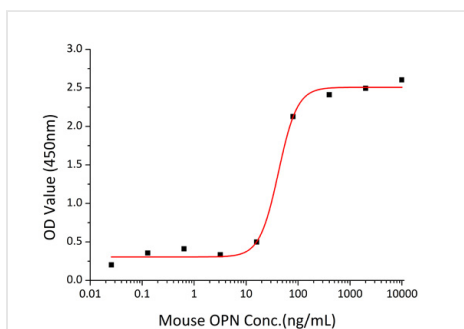
PRODUCT SYNONYMS

Osteopontin/SPP-1; Recombinant Mouse Osteopontin/SPP-1 Protein; Spp1; Eta-1; Op; Spp-1; Osteopontin; 2AR; Bone sialoprotein 1; Calcium oxalate crystal growth inhibitor protein; Early T-lymphocyte activation 1 protein; Minopontin; Secreted phosphoprotein 1; SPP-1; SPP1 recombinant protein

PRODUCT SPECIFICATIONS

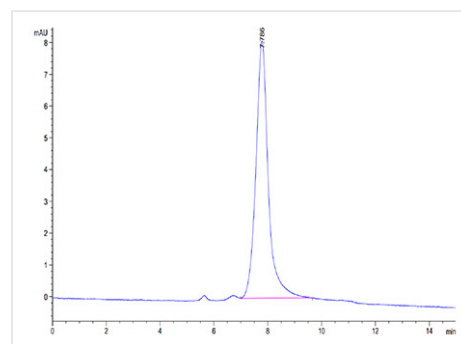
Host	HEK293 cells
Purity/Purification	>95% as determined by HPLC
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	LPVKVTDSGS SEEKLYSLHP DPIATWLVPD PSQKQNLLAP QNAVSSEKD DFKQETLPSN SNESHDMDD DDDDDDDDGD HAEEDSVDS DESDESHSD ESDETVTAST QADTFTPIVP TVDVPNGRGD SLAYGLRSKS RSFQVSDEQY PDATDEDLTS HMKSGESKES LDVIPVAQLL SMPSDQDNNG KGSHESSQLD EPSLETHRLE HSKESQESAD QSDVIDSQAS SKASLEHQSH KFHSKDKLV LDPKSKEDDR YLKFRISHLE ESSSSEVN
Species	Mouse
Tag	C-His
Endotoxin	<1EU/ug
Bio-Activity	Measured by the ability of the immobilized protein to support the adhesion of B16 cells. When 5×10^4 cells/well are added to a Recombinant Mouse (rm) Osteopontin/OPN coated plate, cell adhesion is enhanced in a dose-dependent manner after 1 hour
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



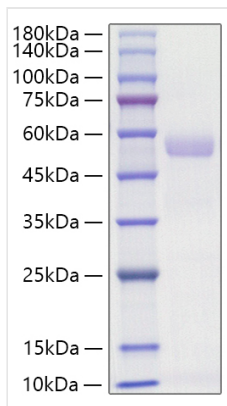
Application Data

immobilized protein to support the adhesion of B16 cells. When 5×10^4 cells/well are added to a Recombinant Mouse (rm) Osteopontin/OPN coated plate, cell adhesion is enhanced in a dose-dependent manner after 1 hour incubation at 37 °C. The ED₅₀ for this effect is 21.0-83.9 ng/mL.



Application Data

The purity of Mouse Osteopontin/SPP1 is greater than 95% as determined by SEC-HPLC.



SDS-PAGE

Recombinant Mouse Osteopontin/SPP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.

ADDITIONAL INFORMATION

Related Product Information for SPP1 recombinant protein	Secreted phosphoprotein 1 (SPP1) expression in TAMs isolated from lung adenocarcinoma tissues and PMA-treated THP-1 cells were measured. Macrophage polarization was identified by flow cytometric analysis. Cell migration and apoptosis were assessed by Transwell migration assays and flow cytometric analysis, respectively. SPP1 is highly expressed in tumor tissues and TAMs isolated from patients with an advanced TNM stage, and also in PMA-treated THP-1 cells.
Product Categories/Family for SPP1 recombinant protein	Other Recombinant Protein ; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	129261
NCBI GeneID	20750
UniProt Accession #	P10923 ; P19008 ; Q91VH4
UniProt Protein Name	Osteopontin
UniProt Gene Name	Spp1
UniProt Synonym Gene Names	Eta-1; Op; Spp-1; SPP-1
UniProt Entry Name	OSTP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/spp1-recombinant-protein-hek293-cells/283390>