

Recombinant Mouse Osteopontin/SPP-1 Protein

RPCB1839

Description

This high-purity Recombinant Mouse Osteopontin/SPP-1 Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU:	RPCB1839
Contents:	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	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
Species:	Mouse
Gene ID:	20750
Expression Host:	HEK293 cells
Tags:	C-His
Calculated MW:	31.59 kDa
Observed MW:	45-60 kDa
Purification:	≥ 95 % as determined by SDS-PAGE, ≥ 95 % as determined by HPLC.
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
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)

Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited

Osteopontin/OPN coated plate, cell adhesion is enhanced in a dose-dependent manner after 1 hour

Preparation & Storage

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

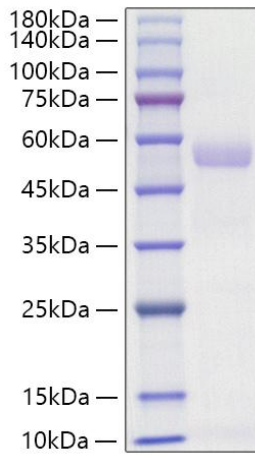
Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.

Reconstitution: Centrifuge the tube 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.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

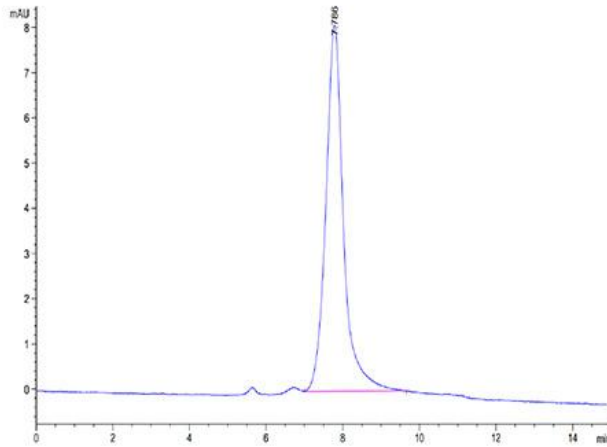
Validation Data

Image



Description

Recombinant Mouse Osteopontin/SPP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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