

# Product Datasheet

## Human Osteopontin/OPN Recombinant Protein NBP2-36502-10ug

Unit Size: 10 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-36502-10ug**

Human Osteopontin/OPN Recombinant Protein

Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Reconstitution Instructions	Reconstitute with 0.1 mg/ml in sterilized PBS containing at least 0.1% human or BSA to desired concentration.
Target Molecular Weight	32.9 kDa

Product Description	
Description	<p>A biologically active protein with a C-terminal 6-His tag corresponding to amino acids Ile17 - Asn300 to SPP1.</p> <p><b>Source:</b> <i>Mouse myeloma cell line, NS0</i></p>
Gene ID	6696
Gene Symbol	SPP1
Species	Human
Preparation Method	Lyophilized from a 0.2 um filtered solution in PBS.
Details of Functionality	Measured by the ability of the immobilized protein to support the adhesion of HEK293 human embryonic kidney cells. Recombinant Human (rh) Osteopontin/OPN immobilized at 1 ug/mL, 100 uL/well, will mediate the adhesion of added 293 cells >30% (1 x 10 <sup>5</sup> cells/well). Recombinant Human Coagulation Factor II/Thrombin (Catalog # 1473-SE) proteolytic treatment of this rhOsteopontin/his can increase HEK293 cell adhesion by about 5-fold.
Notes	This lyophilized preparation is stable at 2-8 degrees C, but should be kept at -20 degrees C for long term storage, preferably desiccated. Upon reconstitution, the preparation is most stable at -20 to -80 degrees C, and can be stored for one week at 2-8 degrees C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 degrees C to -80 degrees C. Avoid repeated freeze/thaw cycles.
Endotoxin Note	<0.10 EU per 1 ug of the protein by the LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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