

## Osteopontin Human Recombinant, HEK

<b>Item Number</b>	rAP-2400
<b>Synonyms</b>	Secreted Phosphoprotein-1, OPN, BNSP, BSPI, ETA-1, MGC110940, SPP-1, Osteopontin, Bone sialoprotein 1, Urinary stone protein, Nephropontin, Uropontin, SPP1.
<b>Description</b>	Osteopontin Human Recombinant is a single, glycosylated, polypeptide chain produced in HEK293 cells, is a full length protein (amino acids 17-314) fused with a polyhistidine tag at the C-terminus, having a total calculated molecular mass of 34.5kDa (The actual molecular mass may be approximately 60-65kDa in SDS
<b>Uniprot Accesion Number</b>	P10451
<b>Amino Acid Sequence</b>	IPVKQADSGSSEEKQLYNKYPDAVATWLNPDP- SQKQNLAPQNAVSSEETNDFKQETLPSKSNESHDHMDDMDDEDDDHVDSQDSIDSNSDDVDDTDD HQSDESHSDSDELVTDFPTDLPATEVFTPVVPVTDTYDGRGDSVYGLRSKSKKFRPDIQYPDATDE DITSHMESEELNGAYKAIPVAQQLNAPSDWDSRGKDSYETSQLDDQSAETHSHKQSRLYKRKANDESNEH SDVIDSQELSKVSREFHSHEFHSHEDMLVVDPKSKEEDKHLKFRISHELDSASSEVNVDHHHHHH.
<b>Source</b>	HEK293 cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
<b>Formulation and Purity</b>	Osteopontin was lyophilized from a 0.2μM filtered solution of 20mM PB and 150mM NaCl, pH 7.2. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized SPP1 in 1xPBS to a concentration no less than 100 μg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**