9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1751: SPP1 Recombinant Protein

Alternative Name :	Secreted Phosphoprotein-1,OPN,BNSP,BSPI,ETA-1,MGC110940,SPP-1,Osteopontin,Bone sialoprotein 1,Urinary stone protein,Nephropontin,Uropontin,SPP1.

Description

Source : Escherichia Coli. Secreted Phosphoprotein-1 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 321 amino acids fragment (17-314) and having a total molecular mass of 36.2 kDa(molecular weight on SDS-PAGE will shift up). The SPP1 protein is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Osteopontin is a glycoprotein that was first identified in osteoblasts and is involved in bone remodeling, immune functions in fibroblasts, macrophages, and lymphocytes during inflammation and wound healing. SPP1 binds tightly to hydroxyapatite. SPP1 forms an integral part of the mineralized matrix. SPP1 is vital to cell-matrix interaction. Secreted Phosphoprotein-1 protects against cardiac ischemia-reperfusion injury via late preconditioning. Expression of both Ostepontin and CD44 in hepatocellular carcinoma is linked with advanced tumor stage and contributes to prognosis information. SPP1 is the most over-expressed gene in intrahepatic cholangiocarcinoma. Secreted Phosphoprotein-1 overexpression is related with interstitial lung diseases.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	Osteopontin is supplied in 20mM Tris-HCl buffer pH-7.5, 1mM DTT, 2mM EDTA and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH RSMIPVKQAD SGSSEEKQLY NKYPDAVATW LNPDPSQKQN LLAPQNAVSS EETNDFKQET LPSKSNESHD HMDDMDDEDD DDHVDSQDSI DSNDSDDVDD TDDSHQSDES HHSDESDELV TDFPTDLPAT EVFTPVVPTV DTYDGRGDSV VYGLRSKSKK FRRPDIQYPD ATDEDITSHM ESEELNGAYK AIPVAQDLNA PSDWDSRGKD SYETSQLDDQ SAETHSHKQS RLYKRKANDE SNEHSDVIDS QELSKVSREF HSHEFHSHED MLVVDPKSKE EDKHLKFRIS HELDSASSEV N.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.