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Osteopontin, human recombinant protein
OPN, SPP-1, BNSP, BSPI, ETA-1
Catalog # PBV10959r

Specification

Osteopontin, human recombinant protein - Product info

Primary Accession	P10451
Concentration	1
Calculated MW	36.2 kDa (321 aa, 17-314 aa + His Tag), confirmed by MALDI-TOF. (MW on SDS-PAGE shifts up) KDa

Osteopontin, human recombinant protein - Additional Info

Gene ID	6696
Gene Symbol	SPP1

Other Names
OPN, SPP-1, BNSP, BSPI, ETA-1

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	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

Target/Specificity
Osteopontin

Format
Liquid

Storage
-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol, and 2 mM EDTA.

Osteopontin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Osteopontin, human recombinant protein - Images

Osteopontin, human recombinant protein - Background

Osteopontin (OPN), also known as Secreted phosphoprotein 1 (SPP1), is a human gene product which is conserved in other species. This protein is glycoprotein that was first identified in osteoblasts and plays an important role in bone remodeling, immune functions in fibroblasts, macrophages, and lymphocytes during inflammation and wound healing. Recombinant human Osteopontin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.