

Osteopontin, human recombinant

CATALOG #: 7335-50 50 µg

ALTERNATE NAMES: OPN, SPP-1, BNSP, BSPI, ETA-1

SOURCE: E. coli

PURITY: > 90% by SDS-PAGE

MOL. WEIGHT: 36.2 kDa (321 aa, 17-314 aa + His Tag), confirmed by MALDI-TOF. (MW on SDS-PAGE shifts up)

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

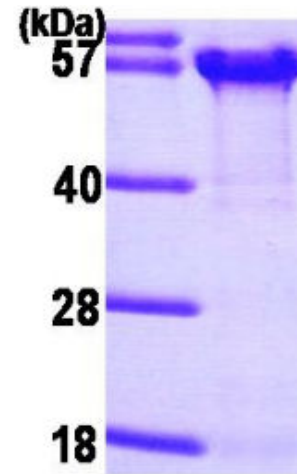
FORM: Liquid

FORMULATION: 1 mg/ml in 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol, and 2 mM EDTA.

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: 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.

AMINO ACID SEQUENCE: MGSSHHHHH SGLVPRGSH RSMIPVKQAD
 SGSSEEKQLY NKYPDAVATW LNPDPQKQK LLAPQNAVSS EETNDFKQET
 LPSKSNESHDMDDMDEDD DHVDSQDSI DSNSDDVD TDDSHQSDES
 HHSDESDELV TDFPTDLPAT EVFTPVVPTV DTYDGRGDSV VYGLRSKSKK
 FRRPDIQYPD ATDEDITSHM ESEELNGAYK AIPVAQLNA PSDWDSRGKD
 SYETSQLDDQ SAETHSHKQS RLYKRKANDE SNEHSDVIDS QELSKVSREF
 HSEFHSHED MLVVDPKSKE EDKHLKFRIS HELDSASSEV N



15% SDS-PAGE (3ug)

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RELATED PRODUCTS:

- Anti-Osteopontin (Clone 14C08) (Cat. No. 5421-100)
- Anti-Osteopontin (CT) (Clone 1F11) (Cat. No. 5422-100)
- Anti-Osteopontin (NT) (Clone 2C5) (Cat. No. 5423-100)
- Anti-Osteopontin (NT) (Clone 2E11) (Cat. No. 5424-100)
- Anti-Osteopontin (NT) (Clone 2F10) (Cat. No. 5425-100)
- Anti-Osteopontin (NT) (Clone 2H9) (Cat. No. 5426-100)

FOR RESEARCH USE ONLY! Not to be used in humans.

