

# Product datasheet for AR09151PU-N

## Osteopontin / SPP1 (17-314, His-tag) Human Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Osteopontin / SPP1 (17-314, His-tag) human recombinant protein, 0.1 mg Species: Human **Expression Host:** E. coli MGSSHHHHHH SSGLVPRGSH RSMIPVKQAD SGSSEEKQLY NKYPDAVATW LNPDPSQKQN Expression cDNA Clone or AA Sequence: 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 Tag: His-tag Predicted MW: 36.2 kDa **Concentration:** lot specific **Purity:** >90% by SDS - PAGE Buffer: Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% glycerol, 2 mM EDTA Liquid purified protein **Preparation: Protein Description:** Recombinant human Osteopontin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Note: (Real molecular weight on SDS-PAGE will be shift up). Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch. NP 000573 RefSeq: Locus ID: 6696 UniProt ID: P10451, A0A024RDE6



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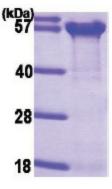
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	Osteopontin / SPP1 (17-314, His-tag) Human Protein – AR09151PU-N
Cytogenetics:	4q22.1
Synonyms:	BNSP; BSPI; ETA-1; OPN
Summary:	The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathway	<b>s:</b> ECM-receptor interaction, Focal adhesion, Toll-like receptor signaling pathway

## Product images:



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