

Product datasheet for **AR09151PU-L**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Osteopontin / SPP1 (17-314, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> RSMIPVKQAD SGSSEEKQLY NKYPDAVATW LNPDPSPKQKQ LLAPQNAVSS EETNDFKQET LPSKSNESHDMDDMDEDD DDHVDSQDSI DSNDSDDVDD TDDSHQSDS HHSDESDELV TDFPTDLPAT EVFTPWPTV DTYDGRGDSV VYGLRSKSKK FRRPDIQYPD ATDEDITSHM ESEELNGAYK AIPVAQDLNA PSDWDSRGKD SYETSQDDQ SAETHSHKQS RLYKRKANDE SNEHSDVIDS QELSKVSREF HSHEFHSHED MLVWDPKSKE 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
Preparation:	Liquid purified protein
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.
RefSeq:	<u>NP_000573</u>
Locus ID:	6696
UniProt ID:	<u>P10451, A0A024RDE6</u>



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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 Pathways: ECM-receptor interaction, Focal adhesion, Toll-like receptor signaling pathway

Product images:

