

Recombinant Human SPP1 Protein, DDK-tagged

Cat. No. SPP1-706H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Human SPP1(Met-Ile17-Asn314), transcript variant 1, fused with DDK tag at C-terminal was expressed in Sf9 cells. |
| Species | Human |
| Source | Sf9 Cells |
| ProteinLength | -17 a.a. |
| Description | 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. |
| Form | 50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol. |
| Molecular Mass | 33.7 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | >50 ug/mL as determined by microplate BCA method |

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|------------------------|---|
| Gene Name | SPP1 secreted phosphoprotein 1 [Homo sapiens] |
| Official Symbol | SPP1 |
| Synonyms | SPP1; secreted phosphoprotein 1; BNSP, bone sialoprotein I , OPN, osteopontin; osteopontin; BSPI; early T lymphocyte activation 1; ETA 1; uropontin; nephropontin; osteopontin-C; osteopontin-D; SPP1/CALPHA1 fusion; bone sialoprotein 1; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1); OPN; BNSP; ETA-1; MGC110940; |
| Gene ID | 6696 |
| mRNA Refseq | NM_000582 |
| Protein Refseq | NP_000573 |
| MIM | 166490 |
| UniProt ID | P10451 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA