

Recombinant Mouse Secreted Phosphoprotein 1

Cat. No. Spp1-1772M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	Osteopontin (OPN) also known as bone sialoprotein I (BSP-1), early T-lymphocyte activation (ETA-1), and Secreted phosphoprotein 1 (SPP1) is a secreted phosphoprotein that confers on cancer cells a migratory phenotype and activates signaling pathways that induce cell survival, proliferation, invasion, and metastasis.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Osteopontin is Mr 31.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 65 dKa doublet, 30 kDa band kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

 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 INFORMATION

Gene Name	Spp1 secreted phosphoprotein 1 [Mus musculus]
Synonyms	Spp1; secreted phosphoprotein 1; OP; Bsp; Eta; Opn; Ric; BNSP; BSPI; Opnl; Apl-1; ETA-1; Spp-1; AA960535; AI790405
Gene ID	20750
mRNA Refseq	NM_009263
Protein Refseq	NP_033289
UniProt ID	P10923
Chromosome Location	5 E5; 5 56.0 cM
Pathway	ECM-receptor interaction; Focal adhesion; Toll-like receptor signaling pathway
Function	cytokine activity; extracellular matrix binding; protein binding

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