

# Recombinant Mouse Secreted Phosphoprotein 1

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

## SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Molecular Weight</b>	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.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	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.

## GENE INFORMATION

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<b>Gene Name</b>	Spp1 secreted phosphoprotein 1 [ Mus musculus ]
<b>Synonyms</b>	Spp1; secreted phosphoprotein 1; OP; Bsp; Eta; Opn; Ric; BNSP; BSPI; Opnl; Apl-1; ETA-1; Spp-1; AA960535; A1790405
<b>Gene ID</b>	20750
<b>mRNA Refseq</b>	NM_009263
<b>Protein Refseq</b>	NP_033289
<b>UniProt ID</b>	P10923
<b>Chromosome Location</b>	5 E5; 5 56.0 cM
<b>Pathway</b>	ECM-receptor interaction; Focal adhesion; Toll-like receptor signaling pathway
<b>Function</b>	cytokine activity; extracellular matrix binding; protein binding

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