

## Recombinant Mouse Sparc Protein, Myc/DDK-tagged

Cat. No. Sparc-6073M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length secreted acidic cysteine rich glycoprotein (Sparc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.
<b>Molecular Mass</b>	34.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** Sparc secreted acidic cysteine rich glycoprotein [ Mus musculus (house mouse) ]

**Official Symbol** Sparc

**Synonyms** Sparc; secreted acidic cysteine rich glycoprotein; ON; BM-40; osteo; SPARC; basement-membrane protein 40; osteonectin; secreted protein acidic and rich in cysteine

**Gene ID** 20692

**mRNA Refseq** NM\_009242

**Protein Refseq** NP\_033268

**UniProt ID** P07214

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