

Recombinant Mouse Sparc Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length secreted acidic cysteine rich glycoprotein (Sparc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	34.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	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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