

## Active Recombinant Mouse Sparc protein(Met1-Ile302), His-tagged

**Cat. No.** Sparc-4034M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse SPARC (NP_033268.1) (Met 1-Ile 302) was expressed in HEK293, with a polyhistidine tag at the C-terminus.  |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Met1-Ile302   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the cell growth of Mv-1-Lu mink lung epithelial cells. The ED50 for this effect is typically 1-4 µg/mL.  |
| <b>Molecular Mass</b>   | The secreted recombinant mouse SPARC consists of 296 amino acids and has a predicted molecular mass of 34 kDa. In SDS-PAGE under reducing conditions, rm SPARC migrates as an approximately 43 kDa band due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Purity</b>           | > 96 % as determined by SDS-PAGE  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.  |

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Sparc secreted acidic cysteine rich glycoprotein [ *Mus musculus* ]

**Official Symbol** Sparc

**Synonyms** SPARC; secreted acidic cysteine rich glycoprotein; ON; osteonectin; basement-membrane protein 40; secreted protein acidic and rich in cysteine; BM-40; AA517111;

**Gene ID** 20692

**mRNA Refseq** NM\_009242

**Protein Refseq** NP\_033268

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