

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

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

SPECIFICATION

Product Overview	Recombinant Mouse SPARC (NP_033268.1) (Met 1-Ile 302) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ile302
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 96 % as determined by SDS-PAGE
Storage	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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