

Active Recombinant Rat SPARC Protein, His-tagged

Cat. No. SPARC-538R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SPARC (Met1-Ile301) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ile301
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 1-5 µg/mL.
Molecular Mass	The recombinant rat SPARC consists of 295 amino acids and predicts a molecular mass of 33.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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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 protein, acidic, cysteine-rich (osteonectin) [Rattus norvegicus]

Official Symbol SPARC

Synonyms

SPARC; secreted protein, acidic, cysteine-rich (osteonectin); ON; BM-40; osteonectin; basement-membrane protein 40; secreted acidic cysteine rich glycoprotein; secreted protein acidic and rich in cysteine; Secreted acidic cystein-rich glycoprotein(osteonectin);

Gene ID 24791

mRNA Refseq NM_012656

Protein Refseq NP_036788

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