

## Native Human SPARC

Cat. No. SPARC-30653TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native Human SPARC isolated from thrombin activated platelets; Predicted MWt 32.7kDa.
<b>Species</b>	Human
<b>Source</b>	Human thrombin activated platelets
<b>ProteinLength</b>	18-303 a.a.
<b>Description</b>	Secreted protein acidic and rich in cysteine/osteonectin/BM40, or SPARC, is a matrix-associated protein that elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (ECM) (Bradshaw et al.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Tris, 150mM Sodium chloride, pH 7.4
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the SPARC family. Contains 1 EF-hand domain. Contains 1 follistatin-like domain. Contains 1 Kazal-like domain.

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**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

SPARC secreted protein, acidic, cysteine-rich (osteonectin) [ Homo sapiens ]

**Official Symbol**

SPARC

**Synonyms**

SPARC; secreted protein, acidic, cysteine-rich (osteonectin); ON; cysteine rich protein; osteonectin;

**Gene ID**

6678

**mRNA Refseq**

NM\_003118

**Protein Refseq**

NP\_003109

**MIM**

182120

**Uniprot ID**

P09486

**Chromosome  
Location**

5q31-q33

**Pathway**

 Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca<sup>2+</sup>, organism-specific biosystem; Senescence and Autophagy, organism-specific biosystem;

**Function**

calcium ion binding; collagen binding; extracellular matrix binding; protein binding;

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