

## Recombinant Human SPARC, T7 -tagged

**Cat. No.** SPARC-30655TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 10/303 of Human SPARC. T7-Tag fusion at N-terminal end.
<b>Species</b>	Human
<b>Source</b>	E.coli
<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>Conjugation</b>	T7
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton X-100, 10mM Tris, pH 8.0
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated 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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## GENE INFORMATION

<b>Gene Name</b>	SPARC secreted protein, acidic, cysteine-rich (osteonectin) [ Homo sapiens ]
<b>Official Symbol</b>	SPARC
<b>Synonyms</b>	SPARC; secreted protein, acidic, cysteine-rich (osteonectin); ON; cysteine rich protein; osteonectin;
<b>Gene ID</b>	6678
<b>mRNA Refseq</b>	NM_003118
<b>Protein Refseq</b>	NP_003109
<b>MIM</b>	182120
<b>Uniprot ID</b>	P09486
<b>Chromosome Location</b>	5q31-q33
<b>Pathway</b>	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;
<b>Function</b>	calcium ion binding; collagen binding; extracellular matrix binding; protein binding;

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