

Recombinant Human SPARC, MBP-tagged

Cat. No. SPARC-30654TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SPARC with MBP tag at N-terminal; 711 amino acids with tag, MWt 79.3 kDa.
Species	Human
Source	E.coli
Description	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.
Conjugation	MBP
Form	Lyophilised
Storage buffer	Preservative: None Constituents: 0.2M Sodium chloride, 20mM Tris HCl, 1mM EDTA, 10mM Maltose, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the SPARC family.Contains 1 EF-hand domain.Contains 1 follistatin-like domain.Contains 1 Kazal-like domain.
Full Length	Full L.

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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; onectin;
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 ²⁺ , organism-specific biosystem; Senescence and Autophagy, organism-specific biosystem;
Function	calcium ion binding; collagen binding; extracellular matrix binding; protein binding;

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