

Recombinant Full Length Human SPARC protein, MBP-tagged

Cat. No. SPARC-34H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPARC protein fused with MBP, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-303 a.a.
Form	20mM Tris-HCl, 0.2M NaCl, 1mM EDTA, 10mM Maltose, pH 7.4. No preservatives added.
Molecular Mass	79298,5 Da
Purity	>90 % as determined by SDS-PAGE analysis
Applications	ELISA, WB, Antibody Production, Protein array.
Storage	Frozen / Solution. For extended storage, conserve at -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

GENE INFORMATION

Gene Name	SPARC secreted protein, acidic, cysteine-rich (osteonectin) [Homo sapiens]
Official Symbol	SPARC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	SPARC; secreted protein, acidic, cysteine-rich (osteonectin); ON; cysteine rich protein; osteonectin; BM-40; cysteine-rich protein; basement-membrane protein 40; secreted protein acidic and rich in cysteine;
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; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	calcium ion binding; collagen binding; extracellular matrix binding; protein binding;

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