Recombinant Human SPARC Protein, MBP-tagged

Cat. No. SPARC-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPARC Protein (1-303 aa (full-length)) with MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-303
Description	This gene encodes a cysteine-rich acidic matrix-associated protein. The encoded protein is required for the collagen in bone to become calcified but is also involved in extracellular matrix synthesis and promotion of changes to cell shape. The gene product has been associated with tumor suppression but has also been correlated with metastasis based on changes to cell shape which can promote tumor cell invasion. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	79.3 kDa
Purity	>90% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB).
Applications	ELISA, Western Blot, Antibody Production, Protein array
Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB) immunoblotting with anti-MBP (WB) and peptide fingerprinting by MALDI-TOF mass spectrometry.

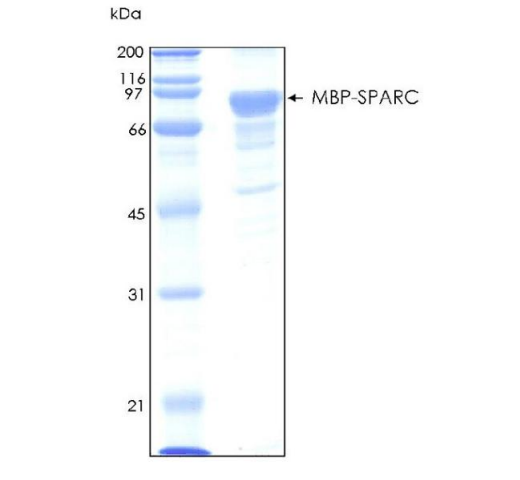
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at −80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	20mM Tris-HCl, 0.2M NaCl, 1mM EDTA, 10mM Maltose, pH 7.4. No preservatives added.
Shipping	Dry Ice

GENE INFORMATION

Gene Name	SPARC secreted protein acidic and cysteine rich [Homo sapiens (human)]
Official Symbol	SPARC
Synonyms	SPARC; secreted protein acidic and cysteine rich; ON; ONT; OI17; BM-40; SPARC; basement-membrane protein 40; secreted protein, acidic, cysteine-rich (osteonectin)
Gene ID	6678
mRNA Refseq	NM_003118
Protein Refseq	NP_003109
MIM	182120
UniProt ID	P09486

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



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