

## Product datasheet for TP309964M

### SPARC (NM\_003118) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human secreted protein, acidic, cysteine-rich (osteonectin) (SPARC), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209964 protein sequence Red=Cloning site Green=Tags(s)

MRAWIFFLLCLAGRALAAPQQEALPDETEVVEETVAEVTEVSVGANPVQVEVGEFDDGAEETEEVEVAEN  
PCQNHHCCKHGKVCELDENTPMCVCQDPTSCPAPIGEFEKVCSDNKNKTFDSSCHFFATKCTLEGTKKGHK  
LHLDYIGPCKYIPCLDSELTEFPLRMRDWLKNVLTLYERDEDNLLTEKQKLRVKKIHENEKRLEAGD  
HPVELLARDFEKNYNMYIFPVHWQFGQLDQHPIDGYLSHTELAPLRAPLIPMEHCTTRFFETCDLDNDKY  
IALDEWAGCFGIKQKDIDKDLVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_003109</a>
Locus ID:	6678



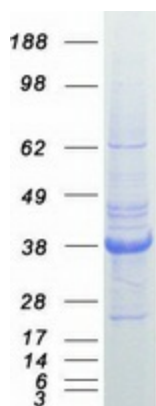
[View online »](#)

UniProt ID: [P09486](#)  
RefSeq Size: 3604  
Cytogenetics: 5q33.1  
RefSeq ORF: 909  
Synonyms: BM-40; OI17; ON; ONT

**Summary:** 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. [provided by RefSeq, Jun 2015]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified SPARC protein (Cat# [TP309964]). The protein was produced from HEK293T cells transfected with SPARC cDNA clone (Cat# [RC209964]) using MegaTran 2.0 (Cat# [TT210002]).