

## Product datasheet for PH309964

### SPARC (NM\_003118) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SPARC MS Standard C13 and N15-labeled recombinant protein (NP_003109)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209964
Predicted MW:	34.6 kDa
Protein Sequence:	>RC209964 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MRAWIFFLLCLAGRALAAPQQEALPDETEVVEETVAEVTEVSVGANPVQVEVGEFDDGAEETEEVVAEN PCQNHCKHGKVCCEL DENNTPMCVCQDPTSCPAPIGEFEKVCSDNKTFDSSCHFFATKCTLEGTKKGHK LHLDYIGPCKYIPPCLDSELTEFPLMRDWLKNVLVTLYERDEDNLLTEKQKLRVKKIHENEKRL EAGD HPVELLARDFEKNYNMYIFPVHWQFGQLDQHPIDGYLSHTELAPLRAPLIPMEHCTTRFFETCDLDNDKY IALDEWAGCFGIKQKIDDKDLVI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_003109</a></u>
RefSeq Size:	3604
RefSeq ORF:	909
Synonyms:	BM-40; OI17; ON; ONT
Locus ID:	6678



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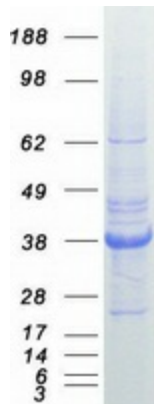
UniProt ID: [P09486](#)

Cytogenetics: 5q33.1

**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]).