

Recombinant Human SPARC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPARC-6051H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPARC MS Standard C13 and N15-labeled recombinant protein (NP_003109) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	34.6 kDa
AA Sequence	MRAWIFFLLCLAGRALAAPQQEALPDETEVVEETVAEVTEVSVGANPVQVEVGFEFDGAEETEEVVVAENPCQNHCKHKGKVCELDENNTPMCVCQDPTSCPAIGEFKVCSDNKNKTFDSSCHFFATKCTLEGTKKGHLHLDYIGPCKYIPPCLDSELTEFPLMRDWLKNVLVTLYERDEDNNLLTEKQKLRVKKIHENEKRLEAGDHPVELLARDFEKNYNMYIFPVHWQFGQLDQHPIDGYLSHTELA PLRAPLIPMEHCTTRFFETCDLDNDKYIALDEWAGCFGIKQKDIDKDLVITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

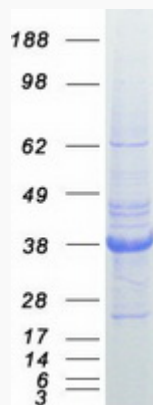
GENE INFORMATION

Gene Name	SPARC secreted protein acidic and cysteine rich [Homo sapiens (human)]
Official Symbol	SPARC
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

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SDS-PAGE

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