*h*SPARC VersaClone cDNA

Catalog Number: RDC3243

Specifications:

Gene:	*h*SPARC
Accession:	NP_003109.1
Insert size:	925bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

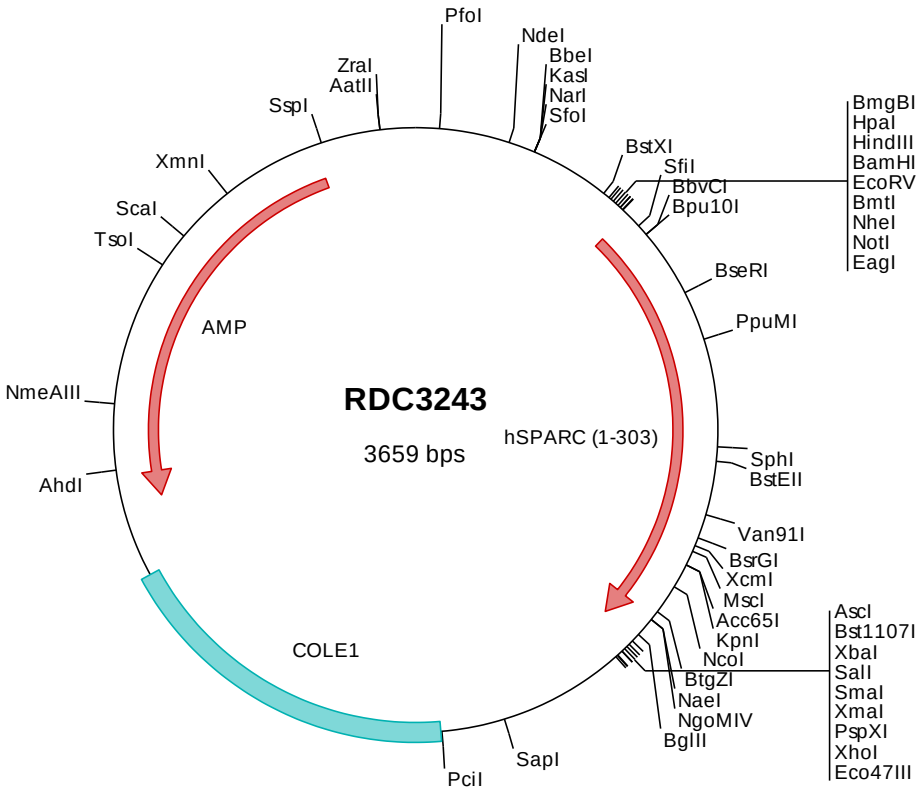
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*SPARC cDNA Plasmid

SPARC secreted protein acidic and cysteine rich [*Homo sapiens* (human)]

Also known as: ON; ONT; OI17; BM-40

Summary:
SPARC is a cysteine-rich acidic matrix-associated protein. It 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. SPARC 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. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3243 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagggcct ggatattctt tctactttgc ctggccggga gggccttggc
 501  agcccctcag caagaagccc tgcctgatga gacagaggtg gtggaagaaa ctgtggcaga ggtgactgag gtatctgtgg gagctaatcc tgtccaggtg
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 701  agctggatga gaacaacacc cccatgtgcg tgtgccagga ccccaccagc tgcccagccc ccattggcga gtttgagaag gtgtgcagca atgacaacaa
 801  gaccttcgac tcttcctgcc acttctttgc cacaaagtgc accctggagg gcaccaagaa gggccacaag ctccacctgg actacatcgg gccttgcaaa
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1501  aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc
1601  cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc
1701  ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca
1801  aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg
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2001  cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga
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2301  ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca
2401  gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc
2501  atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt
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2701  gggcttacca tctggcccca gtgctgcaat gataccgcga gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag
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> RDC3243 Translated Insert Sequence

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 201  enekrleagd hpvellardf eknynmyifp vhwqfgqldq hpidgylsht elaplrapli pmehcttrff etcdldndky ialdewagcf gikqkdidkd
 301  lvi
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