

Product datasheet for **AR31180PU-N**

SPARC / Osteonectin Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SPARC / Osteonectin human recombinant protein, 50 µg
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	APQQEALPDE TEVVEETVAE VTEVSVGANP VQVEVGEFDD GAEETEEEW AENPCQNHHC KHGKVCCELDE NNTPMCVCQD PTSCPAPIGE FEKVCSDNDK TFDSSCHFFA TKCTLEGTKK GHKLHLDYIG PCKYIPPCLD SELTEFPLRM RDWLKNVLVT LYERDEDNLL LTEKQKLRVK KIHENEKRLE AGDHPVELLA RDFEKNYNMY IFPVHWQFGQ LDQHPIDGYL SHTELAPLRA PLIPMEHCTT RFFETCDLDN DKYIALDEWA GCFGIKQKDI DKDLVI
Predicted MW:	43.7 kDa
Concentration:	N/A
Purity:	>97% by SDS-PAGE and HPLC analyses
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: 10 mM Sodium Phosphate, pH 7.6 without stabilizers Endotoxin Level: < 0.1 ng/µg of protein (<1EU/µg)
Bioactivity:	Biological: Determined by its ability to increase alkaline phosphatase activity in differentiating MC3T3 cells using a concentration of 0.5-0.7 µg/ml.
Reconstitution Method:	Restore in water to a concentration of 0.1-1.0 mg/ml
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human SPARC/Osteonectin is a glycoprotein containing 286 amino acids that migrates at an apparent MW of 43.7 kDa by SDS-PAGE analysis due to the effect of glycosylation.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001296372



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Locus ID:	6678
UniProt ID:	P09486
Cytogenetics:	5q33.1
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