Recombinant Human SPARC Protein, His-tagged

Cat. No. SPARC-2725H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPARC Protein (Ala18-Ile303) with a N-His tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Ala18-Ile303
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.3 kDa Accurate Molecular Mass: \
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%

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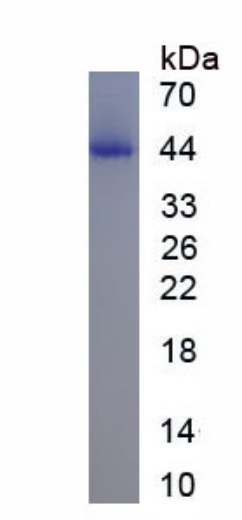
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SPARC secreted protein acidic and cysteine rich [Homo sapiens (human)]
Official Symbol	SPARC
Synonyms	SPARC; secreted protein acidic and cysteine rich; ON; ONT; OI17; BM-40; SPARC basement-membrane protein 40 secreted protein, acidic, cysteine-rich (osteonectin)
Gene ID	6678
mRNA Refseq	NM_003118
Protein Refseq	NP_003109

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MIM	182120
UniProt ID	P09486



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