

Product datasheet

Recombinant Human SPARC protein ab92965

1 Image

Description

Product name	Recombinant Human SPARC protein
Purity	> 90 % SDS-PAGE. Purified by MBP tag / Dextrin Sepharose affinity chromatography.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab92965** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA SDS-PAGE Mass Spectrometry
Form	Lyophilized
Additional notes	After reconstitution, store in working aliquots at -80°C.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 0.316% Tris HCl, 0.0292% EDTA, 1.16% Sodium chloride, 0.342% Maltose
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General Info

Function	Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell
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membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.

Sequence similarities

Belongs to the SPARC family.
Contains 1 EF-hand domain.
Contains 1 follistatin-like domain.
Contains 1 Kazal-like domain.

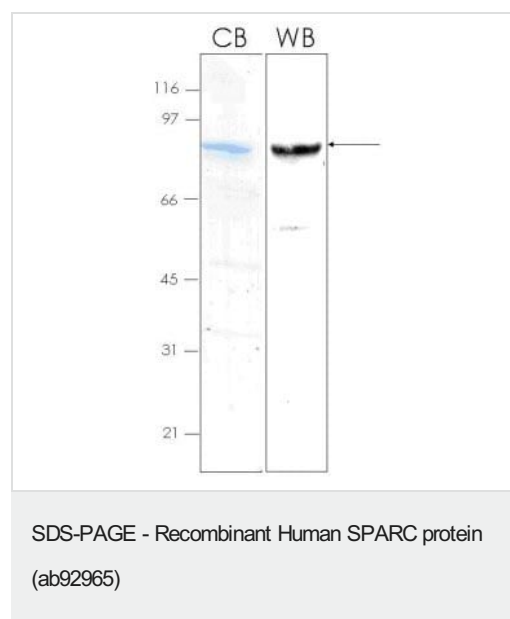
Developmental stage

Expressed at high levels in tissues undergoing morphogenesis, remodeling and wound repair.

Cellular localization

Secreted > extracellular space > extracellular matrix > basement membrane. In or around the basement membrane.

Images



ab92965 analysed by 10% SDS-PAGE stained with Coomassie Blue (CB) and immunoblotted with anti-MBP (WB).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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