

Datasheet for ABIN7596448

## SPARC Protein (AA 18-302) (His tag)



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### Overview

Quantity:	250 µg
Target:	SPARC
Protein Characteristics:	AA 18-302
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPARC protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	APQQTEVAEE IVEEETVVEE TGVPVGANPV QVEMGEFEDG AEETVEEVVA DNPCQNHHC HGKVCELDES NTPMCVCQDP TSCPAPIGEF EKVCSNDNKT FDSSCHFFAT KCTLEGTKKG HKLHLDYIGP CKYIAPCLDS ELTEFPLRMR DWLKNVLVTL YERDEGNNLL TEKQKLRVKK IHENEKRLEA GDHPVELLAR DFEKNYNMYI FPDVHWQFGQL DQHPIDGYLS HTELAPLRAP LIPMEHCTTR FFETCDLDND KYIALEEWAG CFGIKEQDIN KDLVI
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	SPARC
Alternative Name:	SPARC ( <a href="#">SPARC Products</a> )

## Target Details

**Background:** SPARC, also known as osteonectin and BM40, is a secreted matricellular glycoprotein that belongs to a group of functionally related glycoproteins that includes tenascins C and X, thrombospondins 1 and 2, and osteopontin. It is a major bone-related protein that is also present in nonmineralized tissues and in platelets and is matricellular molecule regulating interactions between cells and their surrounding extracellular matrix (ECM). This protein is produced by fibroblasts, capillary endothelial cells, platelets and macrophages, especially in areas of tissue morphogenesis and remodeling. It shows context-specific effects, but generally inhibits adhesion, spreading and proliferation, and promotes collagen matrix formation. It is abundantly expressed in bone, where it promotes osteoblast differentiation and inhibits adipogenesis. Recombinant mouse SPARC, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Molecular Weight:** 33.3kDa (291aa)

**NCBI Accession:** [NP\\_033268](#)

**Pathways:** [Autophagy](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Storage:** 4 °C, -20 °C, -80 °C

**Storage Comment:** Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.