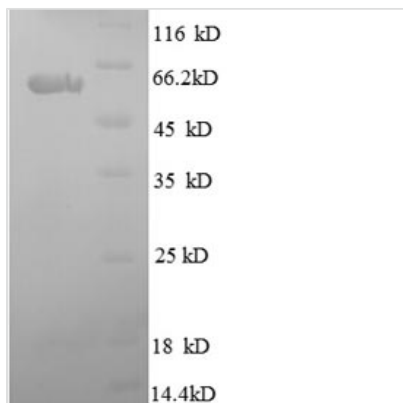




Recombinant Human SPARC (SPARC)

Product Code	CSB-RP094444h
Relevance	Appears to regulate cell growth through interactions with the Extracellular domain matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell mbranes. 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.
Abbreviation	Recombinant Human SPARC protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P09486
Alias	Basement-membrane protein 40 ;BM-40Osteonectin ;ONSecreted protein acidic and rich in cysteine
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	APQQEALPDETEVVEETVAEVTEVSVGANPVQVEVGEFDDGAEETEEEVVAE NPCQNHCKHKGKVCELDENNTPMCVCQDPTSCPAPIGEFEKVCSNDNKTFD SSCHFFATKCTLEGTKKGHLHLDYIGPCKYIPPCLDSELTEFPLMRDWLKNV LVTLYERDEDNNLLTEKQKLRVKKIHENEKRLEAGDHPVELLARDFEKNYNMYI FPVHWQFGQLDQHPIDGYLSHTELAPLRAPLIPMEHCTTRFFETCDLDNDKYIA LDEWAGCFGIKQKDIDKDLVI
Research Area	Cardiovascular
Source	E.coli
Target Names	SPARC
Expression Region	18-303aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	59.7kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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