

SPARC Protein, Human, Recombinant

General Information

Synonyms:	ON;Basement-membrane protein 40 (BM-40);SPARC;Osteonectin (ON);Secreted protein acidic and rich in cysteine
Protein Construction:	18-303 aa
Species:	Human
Expression Host:	E. coli
Accession:	P09486
Molecular Weight:	32.7 kDa (Predicted)
AA Sequence:	APQQEALPDETEVVEETVAEVEVSVGANPVQVEVGEFDDGAEETEEVVAENPCQNHHCCKHGKVCELDENTPMPVCQDPTSCPAPIGEFEKVCSDNKTDFSSCHFFATKCTLEGTKKGHKLHLDYIGPCKYIPPCLDSELTEFLRMRDWLKNVLTLYERDEDNLLTEKQKLRVKKIHENEKRLAEGDHPVELLARDFEKNYNMYIFPVHWQFGQLDQHPIDGYLSHTELAPLRAPLIPMEHCTTRFFETCDLNDKYIALDEWAGCFGIKQKDKDLVI

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The ED50 as determined by its ability to inhibit the cell growth of Mv1Lu mink lung epithelial cells is less than 3.0 µg/mL, corresponding to a specific activity of > 333 IU/mg.
Purity:	>98% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered PBS, pH 7.4

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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