## PRODUCT INFORMATION

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| **Target** | SPARC |
| **Synonyms** | BM-40;Osteonectin;ON |
| **Description** | Recombinant human SPARC protein with N-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P09486 |
| **Expression Host** | HEK293 |
| **Tag** | N-Human Fc Tag |
| **Molecular Characterization** | hFc(Glu99-Ala330) SPARC(Ala18-Ile303) |
| **Molecular Weight** | The protein has a predicted molecular mass of 58.8 kDa after removal of the signal peptide. The apparent molecular mass of hFc-SPARC is approximately 55-70 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use. |
| **Background** | 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. [provided by RefSeq, Jun 2015] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

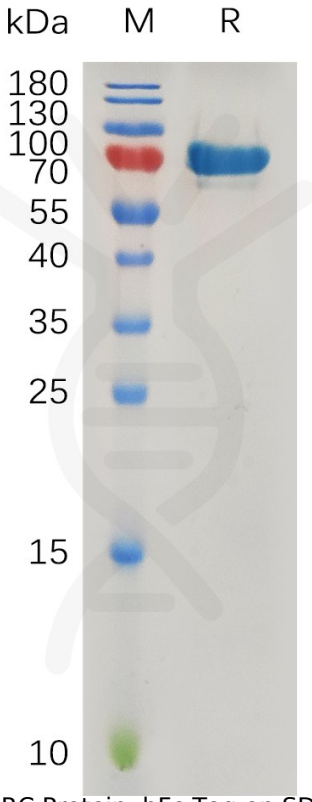


Figure 1. Human SPARC Protein, hFc Tag on SDS-PAGE under reducing condition.