

## Active Recombinant Mouse Sparcl1 protein, His-tagged

**Cat. No.** Sparcl1-536M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Sparcl1 protein(EDL20231.1)(Met1-Phe650), fused with His tag, was expressed in HEK293.                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-650 a.a.                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the cell growth of Mv-1-Lu mink lung epithelial cells. The ED50 for this effect is typically 1-4 µg/mL.                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant mouse SPARCL1 comprises 645 amino acids and has a predicted molecular mass of 72.2 kDa. The apparent molecular mass of the protein is approximately 118 kDa in SDS-PAGE under reducing conditions.                                                                  |
| <b>Proteinlength</b>    | Met1-Phe650                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Sparcl1</a> SPARC-like 1 [ <a href="#">Mus musculus</a> ]                                                                                       |
| <b>Official Symbol</b> | <a href="#">Sparcl1</a>                                                                                                                                     |
| <b>Synonyms</b>        | SPARCL1; SPARC-like 1; SPARC-like protein 1; matrix glycoprotein Sc1; SPARC-like 1 (mast9, hevin); extracellular matrix protein 2; Sc1; Ecm2; hevin; mast9; |
| <b>Gene ID</b>         | <a href="#">13602</a>                                                                                                                                       |
| <b>mRNA Refseq</b>     | <a href="#">NM_010097</a>                                                                                                                                   |
| <b>Protein Refseq</b>  | <a href="#">NP_034227</a>                                                                                                                                   |

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