

## Recombinant Rat Sdc1 protein, His & GST-tagged

**Cat. No.** Sdc1-2035R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Sdc1 aa. (Ser58~Ala313 (Accession # P26260)) fused with N-terminal His & GST tag was produced in E. coli cells.                                                                                                                                                                                                                |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ser58~Ala313                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 42kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 5.2.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.<br>(Referring from China Biological Products Standard, which was calculated by the |

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[Sdc1 syndecan 1 \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[Sdc1](#)

**Synonyms**

ABCB11; ATP binding cassette subfamily B member 11; BSEP; PGY4; SPGP; ABCB16; BRIC2; PFIC2; PFIC-2; bile salt export pump; ABC member 16, MDR/TAP subfamily; ATP-binding cassette sub-family B member 11; ATP-binding cassette, sub-family B (MDR/TAP), member 11; progressive familial intrahepatic cholestasis 2; sister p-glycoprotein

**Gene ID**

[25216](#)

**mRNA Refseq**

[NM\\_013026.2](#)

**Protein Refseq**

[NP\\_037158.1](#)

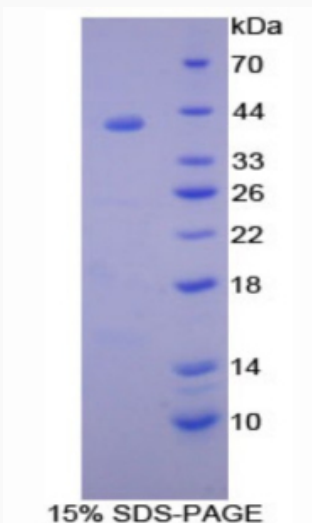
**UniProt ID**

[P26260](#)

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SDS-PAGE

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