

## Recombinant Mouse Rsc1a1 Protein, Myc/DDK-tagged

**Cat. No.** Rsc1a1-5633M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length regulatory solute carrier protein, family 1, member 1 (Rsc1a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Mediates transcriptional and post-transcriptional regulation of SLC5A1. Inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1. Also involved in transcriptional regulation of SLC22A2. Exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network. Regulates the expression of SLC5A1 in a tissue-specific manner and is specifically involved in its regulation in the small intestine. |
| <b>Molecular Mass</b>   | 61.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Rsc1a1 regulatory solute carrier protein, family 1, member 1 [ Mus musculus (house mouse) ]

**Official Symbol** Rsc1a1

**Synonyms** RSC1A1; regulatory solute carrier protein, family 1, member 1; regulatory solute carrier protein family 1 member 1; transporter regulator RS1; regulatory subunit of SGLT1; Rs1; RP23-83I22.2; 1700027M01Rik; OTTMUSG00000010365

**Gene ID** 69994

**mRNA Refseq** NM\_023544

**Protein Refseq** NP\_076033

**UniProt ID** Q9ER99

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