

Recombinant Mouse Rsc1a1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	61.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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