

Recombinant Human RSC1A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RSC1A1-4544H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RSC1A1 MS Standard C13 and N15-labeled recombinant protein (NP_006502) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this intronless gene inhibits the expression of the solute carrier family 5 (sodium/glucose cotransporter), member 1 gene (SLC5A1) and downregulates exocytosis of the SLC5A1 protein. The encoded protein is sometimes found coating the trans-Golgi network and other times is localized to the nucleus, depending on the cell cycle stage. This protein also inhibits the expression of solute carrier family 22 (organic cation transporter), member 2 (SLC22A2).
Molecular Mass	66.6 kDa
AA Sequence	MSSLPTSDGFNHPARSSGQSPDVGNPMSLARSVSASVCPKPSDSDRIEPKAVKAL KASAEFQLNSEKKEHLSLQDLSDHASSADHAPTDQSPAMPMQNSSEEITVAGNLEK SAERSTQGLKFHLHTRQEASLSVTSTRMHEPQMFLGEKDWHPENQNLSQVSDPQQ HEEPGNEQYEVAQQKASHDQEYLCNIGDLELPEERQQNQHKIVDLEATMKGNGLP QNVDPPSAKKSIPSSSECSGCSNSETFMEIDTAQQSLVTLLNSTGRQANVKNIGALD LTLDNPLMEVETSKCNPSSEILNDSISTQDLQPPETNVEIPGTNKEYGHYSSPSLCGS CQPSVESAEESCPSITAALKELHELLVSSKPASENTSEEVICQSETIAEGQTSIKDLS

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ERWTQNEHLTQNEQCPQVSFHQAISVSVETEKLTGTSSDTGREAVENVNFRSLGD
 GLSTDKEGVPKSRESINKNRSVTVTSAKTSNQLHCTLGVEISPKLLAGEEDALNQTS
 EQTKSLSSNFILVKDLGQGIQNSVTDRPETRENVCPDASRPLLEYEPPTSHPSSSPAI
 LPPLIFPATDIDRILRAGFTLQEALGALHRVGGNADLALLVLLAKNIVVPTTRTRPLEQK
 LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RSC1A1 regulator of solute carriers 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [RSC1A1](#)

Synonyms RSC1A1; regulatory solute carrier protein, family 1, member 1; regulatory solute carrier protein family 1 member 1; RS1; transporter regulator RS1;

Gene ID [6248](#)

mRNA Refseq [NM_006511](#)

Protein Refseq [NP_006502](#)

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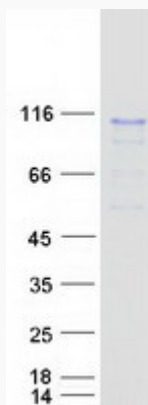
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MIM 601966

UniProt ID Q92681

SDS-PAGE



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