Human SMS Knockdown Cell Lysate

Cat. No. SMS-298HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated SMS Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a protein belonging to the spermidine/spermin synthase family and catalyzes the production of spermine from spermidine. Pseudogenes of this gene are located on chromosomes 1, 5, 6 and X. Mutations in this gene cause an X-linked intellectual disability called Snyder-Robinson Syndrome (SRS). Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	41 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SMS KD HeLa cell lysate
Protein Pathways	Arginine and proline metabolism, beta-Alanine metabolism, Cysteine and methionine metabolism, Glutathione metabolism, Metabolic pathways
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	SMS spermine synthase [Homo sapiens (human)]
Official Symbol	SMS
Synonyms	SMS; spermine synthase; Snyder Robinson X linked mental retardation syndrome, SRS; MRSR; SPMSY; SpS; spermidine aminopropyltransferase; Snyder-Robinson X-linked mental retardation syndrome; SRS;
Gene ID	6611
mRNA Refseq	NM_004595
Protein Refseq	NP_004586
MIM	300105
UniProt ID	P52788

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA