

Human RRM1 Knockdown Cell Lysate

Cat. No. RRM1-291HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated RRM1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes the large and catalytic subunit of ribonucleotide reductase, an enzyme essential for the conversion of ribonucleotides into deoxyribonucleotides. A pool of available deoxyribonucleotides is important for DNA replication during S phase of the cell cycle as well as multiple DNA repair processes. Alternative splicing results in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	90 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.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg RRM1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Glutathione metabolism, Metabolic pathways, Purine metabolism, Pyrimidine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	RRM1 ribonucleotide reductase M1 [Homo sapiens (human)]
Official Symbol	RRM1
Synonyms	RRM1; ribonucleotide reductase M1; ribonucleotide reductase M1 polypeptide; ribonucleoside-diphosphate reductase large subunit; ribonucleotide reductase, R1 subunit; ribonucleotide reductase, large subunit; ribonucleoside-diphosphate reductase subunit M1; R1; RR1; RIR1;
Gene ID	6240
mRNA Refseq	NM_001033
Protein Refseq	NP_001024
MIM	180410
UniProt ID	P23921

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