

Human DNM1 Knockdown Cell Lysate

Cat. No. DNM1-140HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DNM1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	Cell-Tissue Lysis buffer
Molecular Mass	97 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.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DNM1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Endocytosis, Fc gamma R-mediated phagocytosis
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DNM1 dynamin 1 [Homo sapiens (human)]
Official Symbol	DNM1
Synonyms	DNM1; dynamin 1; DNM; dynamin-1;
Gene ID	1759
mRNA Refseq	NM_001005336
Protein Refseq	NP_001005336
MIM	602377
UniProt ID	Q05193

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