

Human DNM2 Knockdown Cell Lysate

Cat. No. DNM2-338HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview WB-validated DNM2 Knockdown HeLa Cell Lysate

Species Human

Source HeLa

Description

Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined.

Form Cell-Tissue Lysis buffer

Molecular Mass 98 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 DNM2 KD HeLa cell lysate
Protein Families	Transcription Factors
Protein Pathways	Endocytosis, Fc gamma R-mediated phagocytosis
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DNM2 dynamin 2 [Homo sapiens (human)]
Official Symbol	DNM2
Synonyms	DNM2; dynamin 2; dynamin-2; CMTDI1; CMTDIB; cytoskeletal protein; DI CMTB; DYN2; dynamin II; DYNII; CMT2M; DI-CMTB;
Gene ID	1785
mRNA Refseq	NM_001005360
Protein Refseq	NP_001005360
MIM	602378

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UniProt ID

P50570

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