Human DHFR Knockdown Cell Lysate

Cat. No. DHFR-135HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DHFR Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. Several transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	21 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.

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

Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DHFR KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Folate biosynthesis, Metabolic pathways, One carbon pool by folate
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DHFR dihydrofolate reductase [Homo sapiens (human)]
Official Symbol	DHFR
Synonyms	DHFR; dihydrofolate reductase; DYR; DHFRP1;
Gene ID	1719
mRNA Refseq	NM_000791
Protein Refseq	NP_000782
MIM	126060
UniProt ID	P00374

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