Human NDUFS3 Knockdown Cell Lysate

Cat. No. NDUFS3-252HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated NDUFS3 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency.
Form	Cell-Tissue Lysis buffer
Molecular Mass	30 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
Shipping	Blue Ice

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Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg NDUFS3 KD HeLa cell lysate
Protein Pathways	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	NDUFS3 NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase) [Homo sapiens (human)]
Official Symbol	NDUFS3
Synonyms	NDUFS3; NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 3 (30kD) (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial; CI 30; complex I 30kDa subunit; NADH dehydrogenase [ubiquinone] iron sulfur protein 3; mitochondrial; CI-30kD; complex I-30kD; NADH dehydrogenase-ubiquinone 30 kDa subunit; NADH-ubiquinone oxidoreductase 30 kDa subunit; CI-30;
Gene ID	4722
mRNA Refseq	NM_004551
Protein Refseq	NP_004542
MIM	603846
UniProt ID	O75489

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