

# Human SDHC Knockdown Cell Lysate

Cat. No. SDHC-426HKCL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated SDHC Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase, also known as mitochondrial complex II, a key enzyme complex of the tricarboxylic acid cycle and aerobic respiratory chains of mitochondria. The encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitochondrial membrane. There are several related pseudogenes for this gene on different chromosomes. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants have been described.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	18 kDa
<b>Notes</b>	<p>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.</p>
<b>Storage</b>	Store at -20 centigrade for two years.

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<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SDHC KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	Alzheimer's disease, Citrate cycle (TCA cycle), Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SDHC succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa [ Homo sapiens (human) ]
<b>Official Symbol</b>	SDHC
<b>Synonyms</b>	SDHC; succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa; PGL3, succinate dehydrogenase complex, subunit C, integral membrane protein, 15kD; succinate dehydrogenase cytochrome b560 subunit, mitochondrial; QPs-1; integral membrane protein CII-3; integral membrane protein CII-3b; cytochrome B large subunit of complex II; succinate dehydrogenase complex subunit C; succinate-ubiquinone oxidoreductase cytochrome B large subunit; succinate-ubiquinone oxidoreductase cytochrome B large subunit; CYBL; PGL3; QPS1; SDH3; CYB560;
<b>Gene ID</b>	6391

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mRNA Refseq	NM_001035511
Protein Refseq	NP_001030588
MIM	602413
UniProt ID	Q99643

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