

Human SUOX Knockdown Cell Lysate

Cat. No. SUOX-438HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated SUOX Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit contains a heme domain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins.
Form	Cell-Tissue Lysis buffer
Molecular Mass	60 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SUOX KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Sulfur metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	SUOX sulfite oxidase [Homo sapiens (human)]
Official Symbol	SUOX
Synonyms	SUOX; sulfite oxidase; sulfite oxidase, mitochondrial;
Gene ID	6821
mRNA Refseq	NM_000456
Protein Refseq	NP_000447
MIM	606887
UniProt ID	P51687

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