Human DROSHA Knockdown Cell Lysate

Cat. No. DROSHA-143HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DROSHA Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a ribonuclease (RNase) III double-stranded RNA-specific ribonuclease and subunit of the microprocessor protein complex, which catalyzes the initial processing step of microRNA (miRNA) synthesis. The encoded protein cleaves the stem loop structure from the primary microRNA (pri-miRNA) in the nucleus, yielding the precursor miRNA (pre-miRNA), which is then exported to the cytoplasm for further processing. In a human cell line lacking a functional copy of this gene, canonical miRNA synthesis is reduced. Somatic mutations in this gene have been observed in human patients with kidney cancer.
Form	Cell-Tissue Lysis buffer
Molecular Mass	159 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 DROSHA KD HeLa cell lysate
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DROSHA drosha, ribonuclease type III [Homo sapiens (human)]
Official Symbol	DROSHA
Synonyms	DROSHA; drosha, ribonuclease type III; ribonuclease type III, nuclear, RNASEN; ribonuclease 3; drosha; double stranded RNA specific endoribonuclease; ribonuclease type III; Etohi2; HSA242976; RN3; RNASE3L; p241; RNase III; protein Drosha; nuclear RNase III Drosha; putative ribonuclease III; ribonuclease III, nuclear; ribonuclease type III, nuclear; drosha, double-stranded RNA-specific endoribonuclease; putative protein p241 which interacts with transcription factor Sp1; ETOHI2; RNASEN; RANSE3L;
Gene ID	29102
mRNA Refseq	NM_001100412
Protein Refseq	NP_001093882
MIM	608828
UniProt ID	Q9NRR4

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