

# Human KRT10 Knockdown Cell Lysate

Cat. No. KRT10-359HKCL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated KRT10 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	59 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.
<b>Concentration</b>	Lot-specific

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<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg KRT10 KD HeLa cell lysate
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	KRT10 keratin 10 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KRT10
<b>Synonyms</b>	KRT10; keratin 10; keratosis palmaris et plantaris, KPP; keratin, type I cytoskeletal 10; CK10; cytokeratin 10; epidermolytic hyperkeratosis; K10; CK-10; keratin-10; BIE; EHK; KPP; BCIE;
<b>Gene ID</b>	3858
<b>mRNA Refseq</b>	NM_000421
<b>Protein Refseq</b>	NP_000412
<b>MIM</b>	148080
<b>UniProt ID</b>	P13645

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