

## Human KRT7 Knockdown Cell Lysate

Cat. No. KRT7-222HKCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated KRT7 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	51 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 KRT7 KD HeLa cell lysate
<b>Protein Families</b>	ES Cell Differentiation/IPS
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KRT7 keratin 7 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">KRT7</a>
<b>Synonyms</b>	KRT7; keratin 7; keratin, type II cytoskeletal 7; CK7; cytokeratin 7; K2C7; K7; keratin; 55K type II cytoskeletal; type II cytoskeletal 7; sarcolectin; SCL; CK-7; keratin-7; cytokeratin-7; type-II keratin Kb7; type II mesothelial keratin K7; keratin, 55K type II cytoskeletal; keratin, simple epithelial type I, K7; MGC3625; MGC129731;
<b>Gene ID</b>	<a href="#">3855</a>
<b>mRNA Refseq</b>	<a href="#">NM_005556</a>
<b>Protein Refseq</b>	<a href="#">NP_005547</a>
<b>MIM</b>	<a href="#">148059</a>
<b>UniProt ID</b>	<a href="#">P08729</a>

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