

## Human PIWIL1 Knockdown Cell Lysate

**Cat. No.** PIWIL1-391HKCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated PIWIL1 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	This gene encodes a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserved proteins containing both PAZ and Piwi motifs that play important roles in stem cell self-renewal, RNA silencing, and translational regulation in diverse organisms. The encoded protein may play a role as an intrinsic regulator of the self-renewal capacity of germline and hematopoietic stem cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	99 kDa
<b>Notes</b>	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.
<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 PIWIL1 KD HeLa cell lysate
<b>Protein Pathways</b>	Dorso-ventral axis formation
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	PIWIL1 piwi-like 1 (Drosophila) [ Homo sapiens (human) ]
<b>Official Symbol</b>	PIWIL1
<b>Synonyms</b>	PIWIL1; piwi-like 1 (Drosophila); piwi (Drosophila) like 1; piwi-like protein 1; HIWI; PIWI; piwi homolog; MIWI;
<b>Gene ID</b>	9271
<b>mRNA Refseq</b>	NM_001190971
<b>Protein Refseq</b>	NP_001177900
<b>MIM</b>	605571
<b>UniProt ID</b>	Q96J94

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