

Human PIWIL1 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated PIWIL1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	99 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.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PIWIL1 KD HeLa cell lysate
Protein Pathways	Dorso-ventral axis formation
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

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

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