

# Human WNT5A Knockdown Cell Lysate

Cat. No. WNT5A-317HKCL Lot. No. (See product label)

## SPECIFICATION

**Product Overview** WB-validated WNT5A Knockdown HeLa Cell Lysate

**Species** Human

**Source** HeLa

**Description**

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.

**Form** Cell-Tissue Lysis buffer

**Molecular Mass** 42 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.

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<b>Storage</b>	Store at -20 centigrade for two years.
<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 WNT5A KD HeLa cell lysate
<b>Protein Families</b>	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway
<b>Protein Pathways</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	WNT5A wingless-type MMTV integration site family, member 5A [ Homo sapiens (human) ]
<b>Official Symbol</b>	WNT5A
<b>Synonyms</b>	WNT5A; wingless-type MMTV integration site family, member 5A; protein Wnt-5a; hWNT5A; WNT 5A protein; WNT-5A protein;
<b>Gene ID</b>	7474
<b>mRNA Refseq</b>	NM_001256105
<b>Protein Refseq</b>	NP_001243034

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<b>MIM</b>	164975
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<b>UniProt ID</b>	P41221
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