

# Human NR3C1 Knockdown Cell Lysate

**Cat. No.** NR3C1-380HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated NR3C1 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes glucocorticoid receptor, which can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in this gene are associated with generalized glucocorticoid resistance. Alternative splicing of this gene results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	86 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</p>

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	equal amount of total proteins.
<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 NR3C1 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>Protein Pathways</b>	Neuroactive ligand-receptor interaction
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	NR3C1 nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) [ Homo sapiens (human) ]
<b>Official Symbol</b>	NR3C1
<b>Synonyms</b>	NR3C1; nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor); GRL, nuclear receptor subfamily 3, group C, member 1; glucocorticoid receptor; GR; glucocorticoid nuclear receptor variant 1; GCR; GRL; GCCR;
<b>Gene ID</b>	2908
<b>mRNA Refseq</b>	NM_000176

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<b>Protein Refseq</b>	NP_000167
<b>MIM</b>	138040
<b>UniProt ID</b>	P04150

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