

## Recombinant Human NR3C1 cell lysate

**Cat. No.** NR3C1-1218HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>    | The protein encoded by this gene is a receptor for glucocorticoids that can act as both a transcription factor and as a regulator of other transcription factors. This protein can also be found in heteromeric cytoplasmic complexes along with heat shock factors and immunophilins. The protein is typically found in the cytoplasm until it binds a ligand, which induces transport into the nucleus. Mutations in this gene are a cause of glucocorticoid resistance, or cortisol, resistance. Alternate splicing, the use of at least three different promoters, and alternate translation initiation sites result in several transcript variants encoding the same protein or different isoforms, but the full-length nature of some variants has not been determined. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### GENE INFORMATION

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| <b>Gene Name</b> | NR3C1 nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) [ <a href="#">Homo sapiens</a> ] |
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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>             | <a href="#">2908</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_000176</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_000167</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | <a href="#">P04150</a>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 5q31-q32                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; |
| <b>Function</b>            | Hsp70 protein binding; Hsp90 protein binding; chromatin binding; double-stranded DNA binding; glucocorticoid receptor activity; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor activity; receptor tyrosine kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; zinc ion binding; |