

## Recombinant Human NR3C1 protein, His-tagged

Cat. No. NR3C1-1044H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NR3C1 fused with His tag was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Form</b>	The protein is in 20mM Tris-HCl pH7.9, 300mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
<b>Molecular Mass</b>	87.5 kDa.
<b>AA Sequence</b>	<p>MDSKESLTPG REENPSSVLA QERGDVMDFY KTLRGGATVK VSASSPSLAV  ASQSDSKQRLLVDFPKGSV SNAQQPDLK AVSLSMGLYM GETETKVMGN  DLGFPQQGQI SLSSGETDLKLLIESIANLN RSTSVPENPK SSASTAVSAA  PTEKEFPKTH SDVSSEQQHL KGQTGTNGGNVKLYTTDQST FDILQDLEFS  SGSPGKETNE SPWRSDLLID ENCLLSPLAG EDDSFLLEGNSNEDCKPLIL  PDTKPKIKDN GDLVLSSPSN VTLPQVKTEK EDFIELCTPG  VIKQEKLGTVYCQASFPGAN IIGNKMSAIS VHGVSTSGGQ MYHYDMNTAS  LSQQQDQKPI FNVIPPIPVGSENWNRCSGS GDDNLTSLGT LNFPGRVFS  NGYSSPSMRP DVSSPPSSSS TATTGPPPKLCLVCSDEASG CHYGVLTCSG  CKVFFKRAVE GQHNYLCAGR NDCIIDKIRR KNCPACRYRKCLQAGMNLEA  RKTKKKIKGI QQATTGVSQE TSENPNGNKTI VPATLPQLTP  TLVSLLEVIEPEVLYAGYDS SVPDSTWRIM TTLNMLGGRQ VIAAVKWAKA  IPGFRNLHLD DQMTLLQYSWMFLMAFALGW RSYRQSSANL LCFAPDLIN</p>

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EQRMTLPCMY DQCKHMLYVS SELHRLQVSYEEYLCMKTLL LLSSVPKDGL  
 KSQELFDEIR MTYIKELGKA IVKREGNSSQ NWQRFYQLTKLLDMSMHEVVE  
 NLLNYCFQTF LDKTMSIEFP EMLAEIITNQ IPKYSNGNIK KLLFHQK

**Purity** greater than 90% based on SDS-PAGE analysis.

**Unit Definition** 1 unit equals 1 nanogram of purified protein. 20 units are sufficient for a gel-mobility shift assay and 100 units are sufficient for a protein-protein interactions assay.

**Storage** Stored at -70 centigrade before use. Avoid repeated freeze thaw cycles.

## GENE INFORMATION

**Gene Name** [NR3C1 nuclear receptor subfamily 3, group C, member 1 \(glucocorticoid receptor\) \[ Homo sapiens \]](#)

**Official Symbol** [NR3C1](#)

**Synonyms** 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;

**Gene ID** [2908](#)

**mRNA Refseq** [NM\\_000176](#)

**Protein Refseq** [NP\\_000167](#)

**MIM**

**UniProt ID** [P04150](#)

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**Chromosome  
Location**

5q31-q32

**Pathway**

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;

**Function**

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;

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