

Recombinant Human NR3C1 protein, His-tagged

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EQRMTLPCMY DQCKHMLYVS SELHRLQVSYEEYLCMKTLL LLSSVPKDGL
KSQELFDEIR MTYIKELGKA IVKREGNSSQ NWQRFYQLTKLLDSMHEVVE
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;