

Recombinant Full Length Human NR3C1 Protein, GST-tagged

Cat. No. NR3C1-6743HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NR3C1 full-length ORF (NP_000167.1, 1 a.a. - 777 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	777 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	112.1 kDa
AA Sequence	MDSKESLTPGREENPSSVLAQERGDVMDFYKTLRGGATVKVSASSPSLAVASQSD SKQRRLLVDFPKGSVSNAQQPDLSKAVSLSMGLYMGETETKVMGNLGFPPQGGQI SLSSGETDLKLLEESIANLNRSTSVPENPKSSASTAVSAAPTEKEFPKTHSDVSSEQ QHLKGQTGTNGGNVKLYTTDQSTFDILQDLEFSSGSPGKETNESPWRSDLLIDENC

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LLSPLAGEDDSFLLEGNSNEDCKPLILPDTKPKIKDNGDLVLSSPSNVTLTPQVKTEKE
 DFIELCTPGVIKQEKLGTVYCQASFPGANIIGNKMSAISVHGVSTSGGQMYHYDMNT
 ASLSQQQDQKPIFNVIPPIPVGSENWNRQCQSGDDNLTSLGTLNFPGRTVFSNGYS
 SPSMRPDVSSPPSSSSTATGPPPKLCLVCSDEASGCHYGVLTGSGCKVFFKRAVE
 GQHNYLCAGRNDICIIRKKNCPACRYRKCLQAGMNLEARKTKKKIKGIQQATTGV
 SQETSENPNGKTIVPATLPQLTPTLVSLLEVIEPEVLYAGYDSSVPDSTWRIMTTLNM
 LGGRQVIAAVKWAKAIPGFRNLHDDQMTLLQYSWMFLMAFALGWSYRQSSANL
 LCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELHRLQVSYEEYLCMKTLTLLSSVPK
 DGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQRFYQLTKLLDSMHEVVENLLN
 YCFQTFLDKTMSEIPEMLAEIITNQIPKYSNGNIKKLLFHQK

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

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glucocorticoid nuclear receptor variant 1; GCR; GRL; GCCR;

Gene ID 2908**mRNA Refseq** NM_000176**Protein Refseq** NP_000167**MIM** 138040**UniProt ID** P04150 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