

# Recombinant Human NR3C2 overexpression cell lysate

Cat. No. NR3C2-17HCL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NR3C2, transcript variant 1, was derived from Human HEK293T cell line.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes the mineralocorticoid receptor, which mediates aldosterone actions on salt and water balance within restricted target cells. The protein functions as a ligand-dependent transcription factor that binds to mineralocorticoid response elements in order to transactivate target genes. Mutations in this gene cause autosomal dominant pseudohypoaldosteronism type I, a disorder characterized by urinary salt wasting. Defects in this gene are also associated with early onset hypertension with severe exacerbation in pregnancy. Alternative splicing results in multiple transcript variants.
<b>Form</b>	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer(25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na <sub>3</sub> VO <sub>4</sub> ). 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer. 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT).
<b>Molecular Mass</b>	106.9 kDa
<b>Storage</b>	Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12

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months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles.

Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

## GENE INFORMATION

**Gene Name** NR3C2 nuclear receptor subfamily 3, group C, member 2 [ Homo sapiens ]

**Official Symbol** NR3C2

**Synonyms** NR3C2; nuclear receptor subfamily 3, group C, member 2; MLR; mineralocorticoid receptor; MR; aldosterone receptor; mineralocorticoid receptor 1; mineralocorticoid receptor delta; MCR; NR3C2VIT; FLJ41052; MGC133092;

**Gene ID** 4306

**mRNA Refseq** NM\_000901

**Protein Refseq** NP\_000892

**MIM** 600983

**UniProt ID** P08235

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