

Recombinant Human NR3C2 overexpression cell lysate

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

SPECIFICATION

Product Overview	Human NR3C2, transcript variant 1, was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	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.
Form	1 vial of 100 µg 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 Na3VO4). 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer. 1 vial of 250µl 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT).
Molecular Mass	106.9 kDa
Storage	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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