

Recombinant Human NR3C2 Protein, GST tagged

Cat. No. NR3C2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NR3C2 Protein (604-984 aa) with GST tag was expressed in Baculovirus-Insect cells.
Species	Human
Source	Insect cells
ProteinLength	604-984 aa
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.
Source	Insect cells
Species	Human
Tag	GST
Molecular Weight	71 kDa

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AA Sequence

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY
 YIDGDVKLTQSMAIIRYIADKHNMMLGGCPKERAISMLEGAVLDIRYGVSR IAYSKDFE
 TLKVDFLSKLP EMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA
 FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKGGGGSGGGGS
 GGGGSGGGGSGGGGSGGGGSLVCGDEASGCHYGVVTCGSCKVFFKRAVEGQHN
 YLCAGRNDCCI DKIRRNKCPACRLQKCLQAGMNLGARKSKKLGLKGIHEEQPQQQ
 QPPPPPPPPQSPEEGTTYIAPAKEPSVNTALVPQLSTISRALT PSPVMVLENIEPEIVY
 AGYDSSKPDTAENLLSTLNRLAGKQMIQVVKWAKVLP GFKNLPLEDQITLIQYSWMC
 LSSFALSWRSYKHTNSQFLYFAPDLVFNEEKMHQSAMYELCQGMHQISLQFVRLQL
 TFEEYTIMKVLLLLSTIPKDGLKSQA AFEEMRTNYIKELRKMVTKCPNNSGQSWQRF
 YQLTKLLDSMHDLVSDLLEFCFYTFRESHALKVEFPAMLVEIISDQLPKVESGNAKPL
 YFHRK

Endotoxin

< 1 EU/μg by LAL

Purity

> 90% by SDS-PAGE

Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer

Sterile PBS, pH7.2, 10mM Glutathione

Concentration

0.21 mg/mL by Bradford

GENE INFORMATION
Gene Name

NR3C2 nuclear receptor subfamily 3, group C, member 2 [Homo sapiens (human)]

Official Symbol

NR3C2

Synonyms

NR3C2; nuclear receptor subfamily 3, group C, member 2; MLR; mineralocorticoid

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receptor; MR; aldosterone receptor; mineralocorticoid receptor 1; mineralocorticoid receptor delta; MCR; NR3C2VIT; FLJ41052; MGC133092

Gene ID 4306

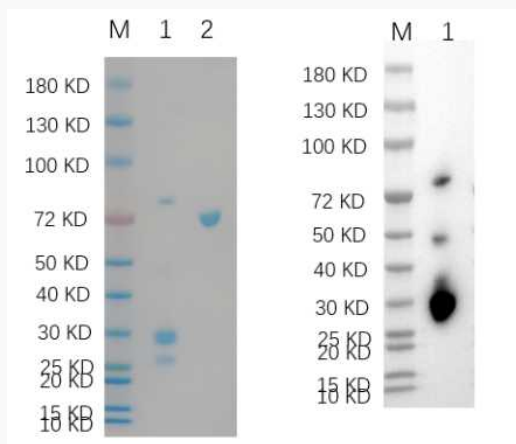
mRNA Refseq NM_000901

Protein Refseq NP_000892

MIM 600983

UniProt ID P08235

Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-GST Mouse Monoclonal Antibody) analysis profiles of purified NR3C2.



1. NR3C2: 1 µg

2. BSA: 1 µg

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