Recombinant Human NR2C2 protein, His & T7-tagged

Cat. No. NR2C2-1089H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NR2C2 aa. (Leu371~Leu596 (Accession # P49116) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu371~Leu596
Description	This gene encodes a protein that belongs to the nuclear hormone receptor family. Members of this family act as ligand-activated transcription factors and function in many biological processes such as development, cellular differentiation and homeostasis. The activated receptor/ligand complex is translocated to the nucleus where it binds to hormone response elements of target genes. The protein encoded by this gene plays a role in protecting cells from oxidative stress and damage induced by ionizing radiation. The lack of a similar gene in mouse results in growth retardation, severe spinal curvature, subfertility, premature aging, and prostatic intraepithelial neoplasia (PIN) development. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.3kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

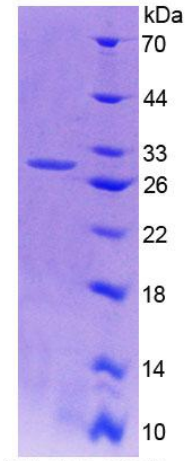
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Purity	>95%
Characteristic	The isoelectric point is 5.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	NR2C2 nuclear receptor subfamily 2 group C member 2 [Homo sapiens (human)]
Official Symbol	NR2C2
Synonyms	NR2C2; nuclear receptor subfamily 2 group C member 2; TR4; TAK1; nuclear receptor subfamily 2 group C member 2; Nuclear hormone receptor TR4; orphan nuclear receptor TAK1; orphan nuclear receptor TR4; orphan receptor TR4; testicular nuclear receptor 4

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Gene ID	7182
mRNA Refseq	NM_001291694.1
Protein Refseq	NP_001278623.1
UniProt ID	P49116
SDS-PAGE	

15% SDS-PAGE

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