

Recombinant Full Length Human NR2C2 Protein, C-Flag-tagged

Cat. No. NR2C2-1900HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NR2C2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	67.2 kDa
AA Sequence	MTSPSPRIQIISTDSAVASPQRIQGSEPASGPLSVFTSLNKEKIVTDQQTGQKIQIVTA VDASGSPKQQF ILTSPDGAGTGKVLASPETSSAKQLIFTTSDNLVPGRIQIVTDSAS

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VERLLGKTDVQRPQVVEYCVVCG DKASGRHYGAVSCEGCKGFFKRSVRKNLTYS
 CRSNQDCIINKHHRNRCQFCRLKKCLEMGMKMESVQSER KPFDVQREKPSNCAAS
 TEKIYIRKDLRSPLIATPTFVADKDGARQTGLLDPGMLVNIQQPLIREDGTVLL ATDSK
 AETSQGALGTLANVVTSLANLSESLNNGDTSEIQPEDQSASEITRAFDTLAKALNTTD
 SSSSPSL ADGIDTSGGGSIHVISRQSTPIIEVEGPLLSDTHVTFKLTMPSPMPEYLN
 VHYICESASRLFLSMHWA RSIPAFQALGQDCNTSLVRACWNELFTLGLAQCAQVM
 SLSTILAAIVNHLQNSIQEDKLSGDRIKQVMEH IWKLQEFNCNSMAKLDIDGYEYAYLK
 AIVLFSPDHPGLTSTSQIEKFQEKAQMEQLQDYVQKTYSEDYRLA RILVRLPALRLMS
 SNITEELFFTGLIGNVSIDSIIPIYILKMETAEYNGQITGASL TRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name NR2C2 nuclear receptor subfamily 2 group C member 2 [Homo sapiens (human)]

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Official Symbol	NR2C2
Synonyms	TR4; TAK1
Gene ID	7182
mRNA Refseq	NM_003298.5
Protein Refseq	NP_003289.2
MIM	601426
UniProt ID	P49116



Coomassie blue staining of purified NR2C2 protein.