

## **Product datasheet for PH319184**

## OriGene Technologies, Inc.

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## NR2C2 (NM\_003298) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** NR2C2 MS Standard C13 and N15-labeled recombinant protein (NP\_003289)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

or AA Sequence:

RC219184

**Predicted MW:** 67.2 kDa

Protein Sequence: >RC219184 representing NM\_003298

Red=Cloning site Green=Tags(s)

MTSPSPRIQIISTDSAVASPQRIQGSEPASGPLSVFTSLNKEKIVTDQQTGQKIQIVTAVDASGSPKQQF ILTSPDGAGTGKVILASPETSSAKQLIFTTSDNLVPGRIQIVTDSASVERLLGKTDVQRPQVVEYCVVCG DKASGRHYGAVSCEGCKGFFKRSVRKNLTYSCRSNQDCIINKHHRNRCQFCRLKKCLEMGMKMESVQSER KPFDVQREKPSNCAASTEKIYIRKDLRSPLIATPTFVADKDGARQTGLLDPGMLVNIQQPLIREDGTVLL ATDSKAETSQGALGTLANVVTSLANLSESLNNGDTSEIQPEDQSASEITRAFDTLAKALNTTDSSSSPSL ADGIDTSGGGSIHVISRDQSTPIIEVEGPLLSDTHVTFKLTMPSPMPEYLNVHYICESASRLLFLSMHWA RSIPAFQALGQDCNTSLVRACWNELFTLGLAQCAQVMSLSTILAAIVNHLQNSIQEDKLSGDRIKQVMEH IWKLQEFCNSMAKLDIDGYEYAYLKAIVLFSPDHPGLTSTSQIEKFQEKAQMELQDYVQKTYSEDTYRLA

RILVRLPALRLMSSNITEELFFTGLIGNVSIDSIIPYILKMETAEYNGQITGASL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 003289

RefSeq Size: 2416 RefSeq ORF: 1845





Synonyms: TAK1; TR4

**Locus ID:** 7182

**UniProt ID:** <u>P49116</u>, <u>F2YGU2</u>

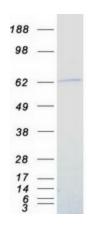
Cytogenetics: 3p25.1

**Summary:** 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. [provided by RefSeq, Apr 2014]

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

## **Product images:**



Coomassie blue staining of purified NR2C2 protein (Cat# [TP319184]). The protein was produced from HEK293T cells transfected with NR2C2 cDNA clone (Cat# [RC219184]) using MegaTran 2.0 (Cat# [TT210002]).