

Product datasheet for PH319184

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:	Human
Expression 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
ILTSPDGAGTGKIVILASPETSSAKQLIFTTSDNLVPGRIQIVTDSASVERLLGKTDVQRPQVVEYCVVCG
DKASGRHYGAVSCEGCKGFFKRSVRKNLTYSRNSQDCIINKHHRNRCQFCRLKKCLEMGKMESVQSER
KPFQVQREKPSNCAASTEKIYIRKDLRSPLIATPTFVADKDGARQTGLLDPGMLVNIQQPLIREDGTVLL
ATDSKAETSQGALGTLANVVTSLANLSESLNNGDTSEIQPEDQSASEITRAFDTLAKALNTDSSSSPSL
ADGIDTSGGSIHVISRQSTPIIEVEGPLLSDTHVTFKLTMPSPMPEYLVNHYICESASRLFLSMHWA
RSIPAFQALGQDCNTSLVRACWNEFLTGLAQCAQVMSLSTILAAIVNHLQNSIQEDKLSGDRIKQVMEH
IWKLQEFCSMAKLDIDGYEYAYLKAIVLFSDPHPGLTSTSQIEKFQEKAMELQDYVQKTYSEDYRLA
RILVRLPALRLMSSNITEELFFTGLIGNVSIDSIIPIYILKMETAEYNGQITGASL

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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



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Synonyms: TAK1; TR4
Locus ID: 7182
UniProt ID: [P49116](#), [F2YGU2](#)
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]).