

## Datasheet for ABIN7539344 NR2F2 Protein (His tag)



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### Overview

Quantity:	5 µg
Target:	NR2F2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR2F2 protein is labelled with His tag.

### Product Details

Purpose:	CoupTF2/NR2F2 (fragment)
Sequence:	MAMVVSTWRD PQDEVPGSQG SQASQAPPVP GPPPGAPHTP QTPGQGGPAS TPAQTAAGGQ GGPGGPGSDK QQQQQHIECV VCGDKSSGKH YGQFTCEGCK SFFKRSVRRN LSYTCRANRN CPIDQHHRNQ CQYCRLKCL KVGMRREAVQ RGRMPPTQPT HGQFALTNGD PLNCHSYLSG YISLLLRAEL EHHHHHHH
Characteristics:	Length (aa):197

### Target Details

Target:	NR2F2
Alternative Name:	CoupTF2/NR2F2 ( <a href="#">NR2F2 Products</a> )
Background:	COUP-TF2, Apolipoprotein A-I regulatory protein 1, ARP-1, COUP transcription factor II, COUP-TF II, Nuclear receptor subfamily 2 group F member 2, Tumor growth depends on nutrients and oxygen supplied by the vasculature through angiogenesis. It was shown that the chicken

## Target Details

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ovalbumin upstream promoter-transcription factor II (COUP-TFII), a member of the nuclear receptor family, is a major angiogenesis regulator within the tumor microenvironment. COUP-TFs consist of two highly homologous subtypes, COUP-TFI (EAR-3, NR2F1) and COUP-TFII (ARP-1, NR2F2). Conditional ablation of COUP-TFII in the tumor microenvironment severely compromised neoangiogenesis and lymphangiogenesis during pancreatic tumor progression and metastasis. It was shown that COUP-TFII plays a cell-autonomous role in endothelial cells to control blood vessel sprouting by regulating cell proliferation and migration. Mechanistic investigations revealed that COUP-TFII suppressed vascular endothelial growth factor receptor-2 (VEGFR-2/KDR) signaling by transcriptionally repressing the expression of VEGFR-1, thereby curtailing a central angiogenic driver of vascular growth. These results implicate COUP-TFII as a critical factor in tumor angiogenesis through regulation of VEGF/VEGFR-2 signaling, suggesting COUP-TFII as a candidate target for antiangiogenic therapy.

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Gene ID: 7026

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UniProt: [P24468](#)

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Pathways: [Steroid Hormone Mediated Signaling Pathway](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized