

Recombinant Mouse Nr2c2 Protein, Myc/DDK-tagged

Cat. No. Nr2c2-4488M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nuclear receptor subfamily 2, group C, member 2 (Nr2c2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Orphan nuclear receptor that can act as a repressor or activator of transcription. An important repressor of nuclear receptor signaling pathways such as retinoic acid receptor, retinoid X, vitamin D3 receptor, thyroid hormone receptor and estrogen receptor pathways. May regulate gene expression during the late phase of spermatogenesis. Activates transcriptional activity of LHCG and is antagonist of PPARA-mediated transactivation. Together with NR2C1, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses embryonic and fetal globin transcription including that of GATA1. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences. Plays a fundamental role in early embryonic development and embryonic stem cells. Required for normal spermatogenesis and cerebellum development. Appears to be important for neurodevelopmentally regulated behavior.
Molecular Mass	65.2 kDa
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

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nr2c2 nuclear receptor subfamily 2, group C, member 2 [Mus musculus (house mouse)]

Official Symbol Nr2c2

Synonyms NR2C2; nuclear receptor subfamily 2, group C, member 2; nuclear receptor subfamily 2 group C member 2; orphan receptor, TR4; testicular receptor 4; orphan nuclear receptor TR4; orphan nuclear receptor TAK1; nuclear receptor subfamily 2, group H, member 2; Tr4; TAK1; mKIAA4145; KIAA4145; MGC124356; MGC124357; MGC124358

Gene ID 22026

mRNA Refseq NM_011630

Protein Refseq NP_035760

UniProt ID P49117

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