

# Recombinant Human NR4A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NR4A1-4396H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

NR4A1 MS Standard C13 and N15-labeled recombinant protein (NP\_002126) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. The encoded protein acts as a nuclear transcription factor. Translocation of the protein from the nucleus to mitochondria induces apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene.

### Molecular Mass

64.5 kDa

### AA Sequence

MPCIQAQYGTPAPSPGPRDHLASDPLTPEFIKPTMDLASPEAAPAAPTALPSFSTFM  
 DGYTGEFDTFlyQLPGTVQPCSSASSASSTSSSSATSPASASFKFEDFQVYGCYP  
 GPLSGPVDEALSSSGSDYYGSPCSAPSPSTPSFQPPQLSPWDGSFGHFSPSQTYE  
 GLRAWTEQLPKASGPPQPPAFFSFSPTGSPSLAQSPKLFPQATHQLGEGESY  
 SMPTAFPGLAPTSPLHLEGSGILDTPVTSTKARSGAPGGSEGRCAVCGDNASCQHY  
 GVRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRRNRCQFCRFQKCLAVGMVK  
 EVVRTDSLKGRRGRLPSKPKQPPDASPANLLTSLVRAHLDSGPSTAKLDYSKFQEL

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VLPHFGKEDAGDVQQFYDLLSGSLEVIRKWA EKIPGFAELSPADQDLLLES AFLELFI  
 LRLAYRSKPGEGKLIFCSGLVLHRLQCARGFGDWIDSILAFSRSLHSLLDVPAFACL  
 SALVLITDRHGLQEPRRVEELQNRIASCLKEHVAAVAGEPQPASCLSRLLGKLP ELRT  
 LCTQGLQRIFYLKLEDLVPPPIIDKIFMDTLPFTRTRPLEQKLISEEDLAANDILDYKD  
 DDDKV

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

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

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

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

## GENE INFORMATION

**Gene Name** NR4A1 nuclear receptor subfamily 4 group A member 1 [ Homo sapiens (human) ]

**Official Symbol** NR4A1

**Synonyms** NR4A1; nuclear receptor subfamily 4, group A, member 1; GFRP1, HMR; nuclear receptor subfamily 4 group A member 1; N10; NAK 1; NGFIB; NUR77; TR3; ST-59; hormone receptor; TR3 orphan receptor; steroid receptor TR3; testicular receptor 3; early response protein NAK1; orphan nuclear receptor HMR; orphan nuclear receptor TR3; nuclear hormone receptor NUR/77; growth factor-inducible nuclear protein N10; nerve growth factor IB nuclear receptor variant 1; HMR; NP10; GFRP1; NAK-1; MGC9485;

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Gene ID	3164
mRNA Refseq	NM_002135
Protein Refseq	NP_002126
MIM	139139
UniProt ID	P22736

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