

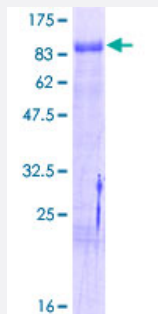
## Full-Length

# NR4A1 (Human) Recombinant Protein (P02)

Catalog # H00003164-P02

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human NR4A1 full-length ORF ( NP\_002126.2, 1 a.a. - 598 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MPCIQAQYGTAPSPGPRDHLASDPLTPEFIKPTMDLASPEAAPAAPALPSFSTFMDGYTGEFD  
TFLYQLPGTVQPCSSASSASSTSSSSATSPASASFKFEDFQVYGCYPGLSGPVDEALSSSGS  
DYYGSPCSAPSPSTPSFQPPQLSPWDGSFGHFSPSQTYEGLRAWTEQLPKASGPPQPPAFFSF  
SPPTGPSPSLAQSPKLFP SQATHQLGEGESYSMPATAFGLAPTSPLHLEGSGILDTPVTSTKARS  
GAPGGSEGRCAVCGDNASCQHYGVRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRRNRC  
QFCRFQKCLAVGMVKEVVRTDSLKGRRGRLPSPKPKPPDASPANLLTSLVRAHLDSGPSTAKL  
DYSKFQELVLPFHGKEDAGDVQQFYDLLSGSLEVIRKWAEKIPGFAELSPADQDLLLLSAFLELFI  
LRLAYRSKPGEGKLIFCSGLVLHRLQCARGFGDWIDSLAFSRLHSLLDVPAFACLSALVLITDR  
HGLQEPRRVEELQNRIASCLKEHVAAVAGEPQPASCLSRLLGKLPELRTLCTQGLQRIFYLKLEDL  
VPPPPIDKIFMDTLPF

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

90.9

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Storage Buffer      | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NR4A1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3164</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GeneBank Accession# | <a href="#">NM_002135.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">NP_002126.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name           | NR4A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Alias          | GFRP1, HMR, MGC9485, N10, NAK-1, NGFIB, NP10, NUR77, TR3                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Description    | nuclear receptor subfamily 4, group A, member 1                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Omim ID             | <a href="#">139139</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary        | 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 alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq] |
| Other Designations  | TR3 orphan receptor early response protein NAK1 growth factor-inducible nuclear protein N10 hormone receptor orphan nuclear receptor HMR steroid receptor TR3                                                                                                                                                                                                                                                                                                           |

## Pathway

- [MAPK signaling pathway](#)

## Disease

- [Diabetes Mellitus](#)
- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Narcolepsy](#)
- [Schizophrenia](#)