# Recombinant Human NR4A1

**Cat. No.** NR4A1-30494TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length Human NUR77 with N terminal proprietary tag; Predicted MWt 91.85 kDa. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **ProteinLength** | 598 amino acids |
| **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 Weight** | 91.850kDa inclusive of tags |
| **Tissue specificity** | Fetal muscle and adult liver, brain and thyroid. |
| **Form** | Liquid |
| **Purity** | Proprietary Purification |
| **Storage buffer** | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl |

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| **Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |
| **Sequences of amino acids** | MPCIQAQYGTPAPSPGPRDHLASDPLTPEFIKPTMDLASP EAAPAAPTALPSFSTFM DGYTGEFDTFLYQLPGTVQPCSS ASSSASSTSSSSATSPASASFKFEDFQVYGCYP GPLSGPV DEALSSSGSDYYGSPCSAPSPSTPSFQPPQLSPWDGSFGH FSPSQTY EGLRAWTEQLPKASGPPQPPAFFSFSPPTGPSP SLAQSPLKLFPSQATHQLGEGE SYSMPTAFPGLAPTSPHL EGSGILDTPVTSTKARSGAPGGSEGRCAVCGDNASCQ HYG VRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRRNRCQ FCRFQKCLAVG MVKEVVRTDSLKGRRGRLPSKPKQPPDAS PANLLTSLVRAHLDSGPSTAKLDYSKF QELVLPHFGKEDA GDVQQFYDLLSGSLEVIRKWAEKIPGFAELSPADQDLLLE SAFL ELFILRLAYRSKPGEGKLIFCSGLVLHRLQCARGFG DWIDSILAFSRSLHSLLVDVPA FACLSALVLITDRHGLQE PRRVEELQNRIASCLKEHVAAVAGEPQPASCLSRLLGKL P ELRTLCTQGLQRIFYLKLEDLVPPPPIIDKIFMDTLPF |
| **Sequence Similarities** | Belongs to the nuclear hormone receptor family. NR4 subfamily.Contains 1 nuclear receptor DNA-binding domain. |

## GENE INFORMATION

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| **Gene Name** | NR4A1 nuclear receptor subfamily 4, group A, member 1 [ Homo sapiens ] |
| **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; |
| **Gene ID** | 3164 |
| **mRNA Refseq** | NM_001202233 |

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| **Protein Refseq** | NP_001189162 |
| **MIM** | 139139 |
| **Uniprot ID** | P22736 |
| **Chromosome Location** | 12q13 |
| **Pathway** | AKT phosphorylates targets in the nucleus, organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; GAB1 signalosome, organism-specific biosystem; Gene Expression, organism-specific biosystem; |
| **Function** | DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; ligand-dependent nuclear receptor activity; ligand-dependent nuclear receptor activi; |

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