

Recombinant Human NR4A1

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

SPECIFICATION

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: 8.00 Constituents: 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 DEALSSSGSDYYGSPCSAPSPSTPSFQPPQLSPWDGSGFH FSPSQTY
 EGLRAWTEQLPKASGPPQPPAFFSFSPPTGPSP SLAQSPKLFP SQATHQLGEGE
 SYSMPTAFPGLAPTSPHL EGSGILDTPVTSTKARSGAPGGSEGRCAVCGDNASCQ
 HYG VRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRRNRCQ FCRFQKCLAVG
 MVKEVVRTDSLKGRRLPSKPKQPPDAS PANLLTSLVRAHLDSGPSTAKLDYSKF
 QELVLPFHGKEDA GDVQQFYDLLSGSLEVIRKWA EKIPGFAELSPADQDLLLE SAFL
 ELFILRLAYRSKPGEGKLIFCSGLVLHRLQCARGFG DWIDSILAFSRSLHLLVDVPA
 FACLSALVLITDRHGLQE PRRVEELQNRIASCLKEHVAAVAGEPQPASCLSRLLGKL
 P ELRTLCTQGLQRIFYLKLEDLVPPPIIDKIFMDTLPF

Sequence Similarities Belongs to the nuclear hormone receptor family. NR4 subfamily. Contains 1 nuclear receptor DNA-binding domain.

GENE INFORMATION

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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