

Product datasheet for **RC202202**

NUR77 (NR4A1) (NM_002135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUR77 (NR4A1) (NM_002135) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUR77
Synonyms:	GFRP1; HMR; N10; NAK-1; NGFIB; NP10; NUR77; TR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202202 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCTGTATCCAAGCCAATATGGGACACCAGCACCGAGTCCGGGACCCCGTGACCACCTGGCAAGCG
 ACCCCCTGACCCCTGAGTTCATCAAGCCACCATGGACCTGGCCAGCCCGAGGCAGCCCCGCTGCCCC
 CACTGCCCTGCCAGCTTCAAGCCTTCAAGGACGCTACACAGGAGAGTTTGACACCTTCTCTACCAG
 CTGCCAGGAACAGTCCAGCCATGCTCCTCAGCCTCCTCCTCGGCCTCCTCCACATCCTCGTCTCAGCCA
 CCTCCCTGCCTCGCTCCTTCAAGTTCGAGGACTTCCAGGTGTACGGCTGTACCCCGGCCCTGAG
 CGGCCAGTGGATGAGGCCCTGTCTCCAGTGGCTGTACTACTATGGCAGCCCTGTCTCGGCCCTGTCTG
 CCCTCCACGCCAGCTTCCAGCCGCCAGCTCTCCTCGGGATGGCTCCTTCCGCCACTTCTCGCCCA
 GCCAGACTTACGAAGGCCTGCGGGCATGGACAGAGCAGCTGCCAAAGCCTTGGGCCCCACAGCCTCC
 AGCCTTCTTTTCTTTCAGTCTCCACCCGCCAGCCAGCCAGCCTGGCCAGAGCCCTGAAGTTGTTT
 CCCTCACAGGCCACCCAGCTGGGGGAGGAGAGAGCTATTCCATGCCTACGGCTTCCAGGTTTGG
 CACCCACTTCTCCACACCTTGAAGGCTCGGGGATACTGGATACACCCGTGACCTCAACCAAGGCCGGAG
 CGGGGCCCCAGGTGGAAGTGAAGGCCGCTGTGCTGTGTGGGACAACGCTTATGCCAGCATTATGGT
 GTCCGCACATGTGAGGGCTGCAAGGGCTTCTTCAAGCGCACAGTGCAGAAAAACGCCAAGTACATCTGCC
 TGGCTAACAAAGGACTGCCTGTGGACAAGAGGGCGGAAACCGTGCAGTTCTGCCGCTTCCAGAAGTG
 CCTGGCGGTGGGCATGGTGAAGGAAGTTGTCCGAACAGACAGCCTGAAGGGGCGGGGGCCGGCTACCT
 TCAAAACCCAAGCAGCCCCAGATGCCTCCCTGCCAATCTCCTCACTTCCCTGGTCCGTGCACACCTGG
 ACTCAGGGCCAGCACTGCCAACTGGACTACTCAAGTTCAGGAGCTGGTGTCTGCCCACTTTGGGAA
 GGAAGATGCTGGGATGTACAGCAGTCTACAGCCTGCTCTCCGTTCTCTGGAGGTCTCCGCAAGTGG
 GCGGAGAAGATCCCTGGCTTTGCTGAGCTGTACCCGGCTGACCAGGACCTGTTGCTGGAGTCCGGCTTCC
 TGGAGCTTTCATCCTCCGCTGGCGTACAGGTCTAAGCCAGGCGAGGGCAAGCTCATCTTCTGCTCAGG
 CCTGGTGTACACCGGCTGCAGTGTGCCGTGGCTTCCGGGACTGGATTGACAGTATCCTGGCCTTCTCA
 AGGTCCCTGCACAGTTGCTTGTGATGTCCCTGCCTTCCGCTGCCTCTCTGCCCTTGTCTCATCACCG
 ACCGGCATGGGCTGCAGGAGCCGCGGGGTTGGAGGAGCTGCAGAACCGCATCGCCAGCTGCCTGAAGGA
 GCAGTGGCAGCTGTGGCGGGCAGCCCGAGCCAGCCAGCTGCCTGTACGTCTGTTGGGCAACTGCC
 GAGCTGCGGACCCTGTGCACCCAGGCCTGCAGCGCATCTTCTACCTCAAGCTGGAGGACTTGGTGGCC
 CTCACCCATCATTGACAAGATCTTATGGACACGCTGCCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202202 protein sequence
 Red=Cloning site Green=Tags(s)

MPCIQAQYGTAPSPGPRDHLASDPLTPEFIKPTMDLASPEAAPAAPTALPSFSTFMDGYTGEFDTFLYQ
 LPGTVQPCSSASSASSTSSSATSPASASFKFEDFQVYGCYPGPLSGPVDEALSSSGSDYYGSPCSAPS
 PSTPSFQPPQLSPWDGSGFHFSPSQTYEGLRAWTEQLPKASGPPQPPAFFSFPPTGPSLSLAQSPLKLF
 PSQATHQLGEGESYSMPATAFPGLAPTSPLHEGSGILDTPVTSTKARSGAPGGSEGRCAVCGDNASCQHYG
 VRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRNRQCQFRFQKCLAVGMVKEVVRTDSLKGRGRPLP
 SKPKQPPDASPANLLTSLVRAHLDSGPSTAKLDYSKFQELVLPFHGKEDAGDVQQFYDLLSGSLEVIRKW
 AEKIPGFAELSPADQDLLLESAFLELFILRLAYRSKPGEGKLI FCSGLVHLRLQCARGFGDWIDSILAFS
 RSLHSLLDVPAFACL SALV LITDRHGLQEP RRVEELQNR IASCLKEHVAAVAGEPQPASCLSRLLGLKLP
 ELRTLCTQGLQRIFYLKLLEDLVPPPPIIDKIFMDLTPF

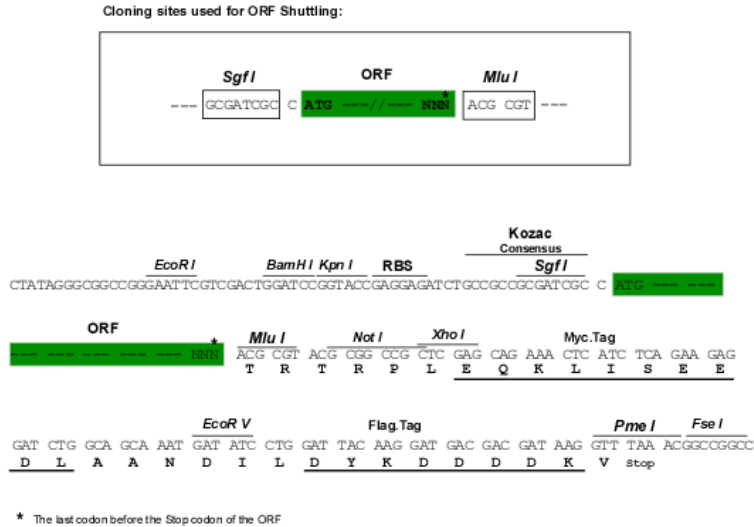
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6281_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002135

ORF Size: 1794 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002135.4](#)

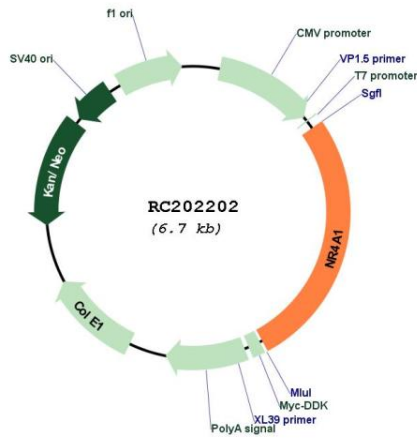
RefSeq Size: 2692 bp

RefSeq ORF: 1797 bp

Locus ID: 3164

UniProt ID:	<u>P22736</u>
Cytogenetics:	12q13.13
Domains:	HOLI, zf-C4
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	MAPK signaling pathway
MW:	64.5 kDa
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 transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RC202202