

Product datasheet for **RG202202**

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:	TurboGFP
Symbol:	NUR77
Synonyms:	GFRP1; HMR; N10; NAK-1; NGFIB; NP10; NUR77; TR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202202 representing NM_002135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTGTATCCAAGCCCAATATGGGACACCAGCACCGAGTCCGGGACCCCGTGACCACCTGGCAAGCG
 ACCCCCTGACCCCTGAGTTCATCAAGCCACCATGGACCTGGCCAGCCCGAGGCAGCCCGCTGCCCC
 CACTGCCCTGCCAGCTTCAAGCCTTTCATGGACGGCTACACAGGAGAGTTTGACACCTTCTCTACCAG
 CTGCCAGGAACAGTCCAGCCATGCTCCTCAGCCTCCTCCTCGGCCTCCTCCACATCCTCGTCTCAGCCA
 CCTCCCTGCCTCGCTCCTTCAAGTTCGAGGACTTCCAGGTGTACGGCTGCTACCCCGCCCCCTGAG
 CGGCCAGTGGATGAGGCCCTGTCTCCAGTGGCTCTGACTACTATGGCAGCCCTGCTCGGCCCCGTGCG
 CCCTCCACGCCAGCTTCCAGCCGCCAGCTCTCCTCGGGATGGCTCCTCGGCCACTTCTCGCCCA
 GCCAGACTTACGAAGGCCTGCGGGCATGGACAGAGCAGCTGCCAAAGCCTTGGGCCCCACAGCCTCC
 AGCCTTCTTTTCCTTCAAGTTCCTCCACCGGCCAGCCAGCCTGGCCAGAGCCCTGAAGTTGTTT
 CCCTCACAGGCCACCCAGCTGGGGGAGGAGAGAGCTATTCCATGCCTACGGCTTCCAGGTTTGG
 CACCCACTTCTCCACACCTTGAAGGCTCGGGGATACTGGATACACCCGTGACCTCAACCAAGGCCGGAG
 CGGGGCCCCAGGTGGAAGTGAAGGCCGCTGTGCTGTGTGGGACAACGCTTATGCCAGCATTATGGT
 GTCCGCACATGTGAGGGCTGCAAGGGCTTCTTCAAGCGCACAGTGCAGAAAAACGCCAAGTACATCTGCC
 TGGCTAACAAAGGACTGCCTGTGGACAAGAGGGCGGAAACCGTGCAGTTCTGCCGCTTCCAGAAGTG
 CCTGGCGGTGGGCATGGTGAAGGAAGTTGTCCGAACAGACAGCCTGAAGGGGCGGGGGCCGCTACCT
 TCAAACCCCAAGCAGCCCCAGATGCCTCCCTGCCAATCTCCTCACTTCCCTGGTCCGTGCACACCTGG
 ACTAAGGCGCCAGCACTGCCAACTGGACTACTCAAGTTCAGGAGCTGGTGTGCCCACTTTGGGAA
 GGAAGATGCTGGGATGTACAGCAGTCTACGACCTGCTCTCCGTTCTCTGGAGGTATCCGCAAGTGG
 GCGGAGAAGATCCCTGGCTTTGCTGAGCTGTACCGGCTGACCAGGACCTGTTGCTGGAGTCCGGCTTCC
 TGGAGCTTTCATCCTCCGCTGGCGTACAGGTCTAAGCCAGGCGAGGGCAAGCTCATCTTCTGCTCAGG
 CCTGGTGTACACCGGCTGCAGTGTGCCGTGGCTTCCGGGACTGGATTGACAGTATCCTGGCCTTCTCA
 AGGTCCCTGCACAGCTTGTCTGATGTCCCTGCCTTCGCTGCCTCTCTGCCCTTGTCTCATCACCG
 ACCGGCATGGGCTGCAGGAGCCGCGGGGTGGAGGAGCTGCAGAACCGCATCGCCAGCTGCCTGAAGGA
 GCAGTGGCAGCTGTGGCGGGCAGCCCGAGCCAGCAGCTGCCTGTACGTCTGTTGGGCAACTGCC
 GAGCTGCGGACCCTGTGCACCCAGGCTTGCAGCGCATCTTCTACCTCAAGCTGGAGGACTTGGTGGCC
 CTCACCCATCATTGACAAGATCTTATGGACACGCTGCCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202202 representing NM_002135
 Red=Cloning site Green=Tags(s)

MPCIQAQYGTAPSPGPRDHLASDPLTPEFIKPTMDLASPEAAPAAPTALPSFSTFMDGYTGEFDTFLYQ
 LPGTVQPCSSASSASSTSSSATSPASAFKFEDEFQVYGCYPGPLSGPVDEALSSSGSDYYGSPCSAPS
 PSTPSFQPPQLSPWDGSFGHFSQSQTYEGLRAWTEQLPKASGPPQPPAFFSFSPTGSPSLAQSPKLF
 PSQATHQLGEGESYSMPAFTPLAPTSPHLEGSILDTPTVSTKARSGAPGGSEGRCAVCGDNASCQHYG
 VRTCEGCKGFFKRTVQKNAKYICLANKDCPVDKRRNRQCFCRFQKCLAVGMVKEVVRTSLKGRGRPL
 SKPKQPPDASPANLLTSLVRAHLDSPSTAKLDYSKFQELVLPFHFKEDAGDVQQFYDLLSGSLEVIRKW
 AEKIPGFAELSPADQDLLESAFLELFIILRLAYRSKPGEGKLIKCSGLVLHRLQCARGFDWIDSILAFS
 RSLHSLLDVPAFACLSALVLIIDRHGLQEPVVEELQNRIASCLKEHVAAVAGEPQPASCLSRLLGKLP
 ELRTLCTQGLQRIFYLKLLEDLVPPPIIDKIFMDLTPF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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: 2699 bp

RefSeq ORF: 1797 bp

Locus ID: 3164

UniProt ID: [P22736](#)

Cytogenetics: 12q13.13

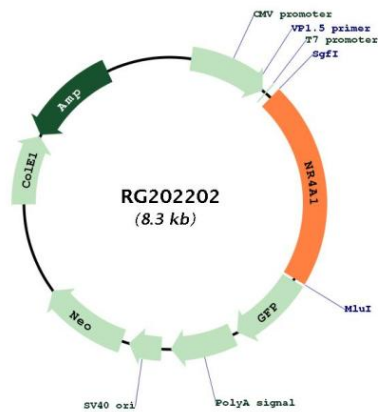
Domains: HOLI, zf-C4

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: MAPK signaling pathway

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 RG202202