

Product datasheet for **RG222958**

NUR77 (NR4A1) (NM_173157) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUR77 (NR4A1) (NM_173157) 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:

>RG222958 representing NM_173157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGTATCCAAGCCCAATATGGGACACCAGCACCGAGTCCGGGACCCCGTGACCACCTGGCAAGCG
 ACCCCCTGACCCCTGAGTTCATCAAGCCACCATGGACCTGGCCAGCCCGAGGCAGCCCGCTGCCCC
 CACTGCCCTGCCAGCTTCAGCACCTTCATGGACGGCTACACAGGAGAGTTTGACACCTTCTCTACCAG
 CTGCCAGGAACAGTCCAGCCATGCTCCTCAGCCTCCTCCTCGGCCTCCTCCACATCCTCGTCTCAGCCA
 CCTCCCTGCCTCGCTCCTTCAAGTTCGAGGACTTCCAGGTGTACGGCTGCTACCCCGCCCCCTGAG
 CGGCCAGTGGATGAGGCCCTGTCTCCAGTGGCTCTGACTACTATGGCAGCCCTGCTCGGCCCCGCTG
 CCCTCCACGCCAGCTTCAGCCGCCAGCTCTCCTCCGATGGCTCCTTCGGCCACTTCTCGCCCA
 GCCAGACTTACGAAGGCCTGCGGCATGGACAGAGCAGCTGCCAAAGCCTTGGGCCCCACAGCCTCC
 AGCCTTCTTTTCTTTCAGTCTCCACCCGCCCCAGCCAGCCTGGCCAGAGCCCTGAAGTTGTTT
 CCCTCACAGGCCACCCAGCTGGGGGAGGAGAGAGCTATTCCATGCCTACGGCTTCCAGGTTTGG
 CACCCACTTCTCCACACCTTGAGGGCTCGGGGATACTGGATACACCCGTGACCTCAACCAAGGCCGGAG
 CGGGGCCCCAGGTGGAAGTGAAGGCCGCTGTGCTGTGTGGGACAACGCTTATGCCAGCATTATGGT
 GTCCGCACATGTGAGGGCTGCAAGGGCTTCTTCAAGCGCACAGTGCAGAAAAACGCCAAGTACATCTGCC
 TGGCTAACAAAGGACTGCCTGTGGACAAGAGCGGCGAAACCGTGCAGTTCTGCCGCTTCCAGAAAGT
 CCTGGCGGTGGGCATGGTGAAGGAAGTTGTCCGAACAGACAGCCTGAAGGGGCGCGGGCCGGCTACCT
 TCAAAACCCAAGCAGCCCCAGATGCCTCCCCTGCCAATCTCCTCACTTCCCTGGTCCGTGCACACCTGG
 ACTCAGGGCCCAGCACTGCCAAACTGGACTACTCCAAGTTCAGGAGCTGGTGTGCCCCACTTTGGGAA
 GGAAGATGCTGGGGATGTACAGCAGTTCTACGACCTGCTCCTCGGTTCTCTGGAGGTCATCCGCAAGTGG
 GCGGAGAAGATCCCTGGCTTTGCTGAGCTGTACCCGGCTGACCAGGACCTGTTGCTGGAGTCGGCCTTCC
 TGGAGCTTTCATCCTCCGCTGGCGTACAGGTCTAAGCCAGGCGAGGGCAAGCTCATCTTCTGCTCAGG
 CCTGGTGTACACCGCTGCAGTGTGCCGTGGCTTCGGGGACTGGATTGACAGTATCCTGGCCTTCTCA
 AGGTCCCTGCACAGCTTGTGTCGATGTCCCTGCCTTCGCTGCCTCTCTGCCCTTGTCTCATACCCG
 ACCGGCATGGGCTGCAGGAGCCGCGGGGTGGAGGAGCTGCAGAACCGCATCGCCAGCTGCCTGAAGGA
 GCACGTGGCAGCTGTGGCGGGCAGCCCCAGCCAGCCAGCTGCCTGTACGTCTGTTGGGCAAACCTGCC
 GAGCTGCGGACCCTGTGCACCCAGGGCCTGCAGCGCATCTTCTACCTCAAGCTGGAGGACTTGGTGGCCC
 CTCACCCATCATTGACAAGATCTTCATGGACACGCTGCCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_173157

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_173157.3](#)

RefSeq Size: 2549 bp

RefSeq ORF: 1797 bp

Locus ID: 3164

UniProt ID: [P22736](#)

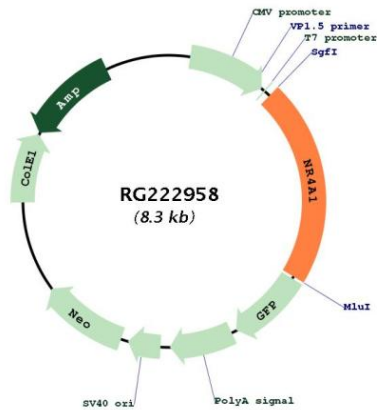
Cytogenetics: 12q13.13

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 RG222958