

Product datasheet for **RG213887**

NR5A2 (NM_003822) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NR5A2 (NM_003822) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NR5A2
Synonyms:	B1F; B1F2; CPF; FTF; FTZ-F1; FTZ-F1beta; hB1F-2; LRH-1; LRH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213887 representing NM_003822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTAATTTCAGATACTGGGATTTACAAGAGTCTTTAAAGCACGGACTTACACCTATTGTGTCTC
 AATTTAAAATGGTGAATTACTCCTATGATGAAGATCTGGAAGAGCTTTGTCCCGTGTGGAGATAAAGT
 GTCTGGGTACCATTATGGGCTCCTCACCTGTGAAAGCTGCAAGGGATTTTTTAAGCGAACAGTCCAAAAT
 AATAAAAGGTACACATGTATAGAAAACCAGAACTGCCAAATTGACAAAACACAGAAAAGCGTTGCCTT
 ACTGTCGTTTTCAAAAATGTCTAAGTGTGGAATGAAGCTAGAAGCTGTAAAGGGCCGACCGAATGCGTGG
 AGGAAGGAATAAGTTTGGGCCAATGTACAAGAGAGACAGGGCCCTGAAGCAACAGAAAAAGCCCTCATC
 CGAGCCAATGGACTTAAGCTAGAAGCCATGTCTCAGGTGATCCAAGCTATGCCCTCTGACCTGACCATT
 CCTCTGCAATTCAAAACATCCACTCTGCCTCAAAGGCCACCTCTGAACCATGTGCCTTGCCCTCTAC
 AGACTATGACAGAAGTCCCTTTGTAACATCCCCATTAGCATGACAATGCCCCCTCACGGCAGCCTGCAA
 GGTACCAAACACATGGCCACTTTCCTAGCCGGGCCATCAAGTCTGAGTACCCAGACCCCTATACAGCT
 CACCCGAGTCCATAATGGGCTATTCATATATGGATAGTTACCAGACGAGCTCTCCAGCAAGCATCCCACA
 TCTGATACTGGAACCTTTTGAAGTGTGAGCCAGATGAGCCTCAAGTCCAGGCTAAAATCATGGCCTATTTG
 CAGCAAGAGCAGGCTAACCGAAGCAAGCACGAAAAGCTGAGCACCTTTGGGCTTATGTGCAAAAATGGCAG
 ATCAAACCTCTTCTCCATTGTGCGAGTGGGCCAGGAGTAGTATCTTCTTCAGAGAACTTAAGGTTGATGA
 CCAATGAAGCTGCTTCAGAAGTCTGGAGTGAAGTCTTAATCCTCGACCACATTTACCGACAAGTGGTA
 CATGGAAAAGGAAGGATCCATCTTCTGGTACTGGGCAACAAGTGGACTATTCCATAATAGCATCACAAAG
 CCGGAGCCACCCTCAACAACCTCATGAGTATGCACAGGAGTTAGTGGCAAAAACCTCGTTCTCTCCAGT
 TGATCAACGAGAGTTCGTATGTCTGAAATTCCTGGTGTCTTTAGTTTAGATGTCAAAAACCTTGAAAAC
 TTCCAGCTGGTAGAAGGTGCCAGGAACAAGTCAATGCCGCCCTGCTGGACTACACAATGTGTAACCTACC
 CGCAGCAGACAGAAAATTTGGACAGCTACTTCTTCGACTACCCGAAATCCGGGCCATCAGTATGCAGGC
 TGAAGAATACCTTACTACAAGCACCTGAACGGGGATGTGCCCTATAATAACCTTCTCATTGAAATGTTG
 CATGCCAAAAGAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213887 representing NM_003822
 Red=Cloning site Green=Tags(s)

MSSNSDTGDLQESLKHGLTPIVQFKMVNYSYDEDLLEELCPVCGDKVSGYHYGLLTCECKGFFKRTVQN
 NKRYTCIENQNCQIDKTQRKRCPCRFQKCLSVGMKLEAVRADMRGGRNKFQPMYKRDALKQQKKALI
 RANGLKLEAMSQVIQAMPSDLTISSAIQNIHSASKGLPLNHAALPPTYDRSPFVTSPISMTMPPHGSLO
 GYQTHGHFPSRAIKSEYPDPYTSPEISIMGYSYMSYQTSPPASIPHLILELLKCEPDEPQVQAKIMAYL
 QQEQANRSKHEKLSFGLMCKMADQTLFSIVWARSSIFFRELKVDDQMKLLQNCWSELLILDHIYRQVV
 HGKEGSIFLVTGQQVDYSIIASQAGATLNNLMSHAQELVAKLRSLQFDQREFVCLKFLVFLSLDVKNLEN
 FQLVEGVQEVNAALLDYTMCNYPQQTEKFGQLLLRLPEIRAISMQAEEYLYYKHLNGDVPYNNLLIEML
 HAKRA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003822

ORF Size: 1485 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_003822.3](#), [NP_003813.1](#)

RefSeq Size: 4916 bp

RefSeq ORF: 1488 bp

Locus ID: 2494

UniProt ID: [O00482](#)

Cytogenetics: 1q32.1

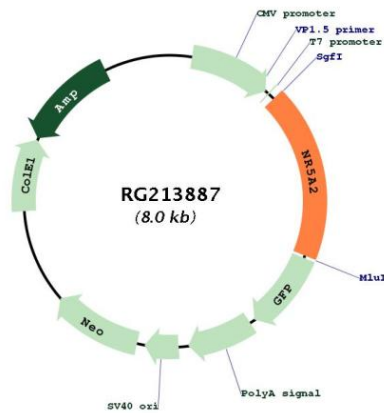
Domains: HOLI, zf-C4

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

Protein Pathways: Maturity onset diabetes of the young

Gene Summary: The protein encoded by this gene is a DNA-binding zinc finger transcription factor and is a member of the fushi tarazu factor-1 subfamily of orphan nuclear receptors. The encoded protein is involved in the expression of genes for hepatitis B virus and cholesterol biosynthesis, and may be an important regulator of embryonic development. [provided by RefSeq, Jun 2016]

Product images:



Circular map for RG213887