

Product datasheet for **RG234308**

NSRP1 (NM_001261467) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSRP1 (NM_001261467) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSRP1
Synonyms:	CCDC55; HSPC095; NSrp70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234308 representing NM_001261467
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACAGACCAAACCTGAAATCCAGAAGGCCCTTCAGAAGATGCTACTGTGTATGAATATGACAGTA
 TTTATGATGAAATGCAGAAAAAAGGAGGAAAAATAATCCAAATTGCTTTGGGAAAAGACAGAAAAGCC
 CAAGTATATTCACAACCTGCTAAAAGCAGTTGAGATCAGAAAAAAGAACAGAAAAAAGAAATGGAAAAG
 AAAATACAGAGAGAACGAGAAATGGAAAAGGGGAGTTTGTATGATAAAGAAGCATTGTGACATCTGCAT
 ATAAGAAAAAAGTGAAGAGAGAGCTGAAGAAGAAGAAAGAGAAAAAGGGCTGCTGCACTGGAAGCATG
 TTTGGATGTAACCAAGCAGAAAGATCTCAGTGGATTTTATAGGCACCTATTAATCAAGCAGTTGGTGAA
 GAGGAAGTACCTAAATGCAGCTTCGTGAAGCCAGATCTGGTATAAAGGAAGAAAAATCAAGGGGCTTCT
 CCAATGAAGTAAGTTCAAAAAACAGAATACCACAAGAGAAATGCATTCTCAAAGTATGTGAAAGTAGA
 GAAAAACCCAGATGCAGACAGTACTTCGATGCTAAGAGCAGTCCGGATGATGAAATAGAAGAACTAGA
 GTGAACTGCAGAAGGGAAAAGGTCATAGAGACCCCTGAGAATGACTTCAAGCACCACAGGAGTCAAACC
 ACTCTCGGTCACCTAGTGAAGAAAGAGGGCACAGTACCAGGCACCACACGAAAGGATCACGAACGTCGAG
 AGGACATGAGAAAAGGGAAGATCAGCACCAGCAGAAGCAATCCAGAGACCAAGAGAACCATTACACTGAC
 CGTGATTACCGGAAAAGAAAGGGATTCTCATAGGCACAGAGAGGCCAGTCAAGAGATTCCCATTTGGAAGA
 GGCATGAACAGGAAGATAAACCAAGGGCGAGGGACCAAGAGAAAAGAAGTACAGAGATATGAAAAGGGGA
 GAAAGTAGGGAGAAATATCCCAAAGAGAAACAAGAAAGAGATAGACAACAAAATGATCAGAACCAGCC
 AGTGAGAAAAGGAGAGAAGGAAGAGAAAAGCAAAGCAAAGGAAGAGCATATGAAAGTAAGGAAGAAAAGAT
 ATGAAAATAATGATAAATACAGAGATAGAGAAAAACGAGAGTAGGTGTTCACTTCAGAAAAGAAATCA
 AGACAGAAAAGGAAAGCAGCCAAATTCTAGGGCAAAGGATAAATTTCTTGACCAAGAAAGATCCAACAAA
 ATGAGAAAACATGGCAAAGGACAAAAGAAAGAAACCAAGAGAAACCCCTAATTCTGAATCATCACTGGGAG
 CAAAACACAGACTCACAGAGGAAGGGCAAGAGAAGGGTAAAGAACAAGAGAGACCACCTGAGGCAGTGAG
 CAAGTTTGCAAAGCGGAACAATGAAGAACTGTAATGTCAGCTAGAGACAGGTACTTGCCAGGCAGATG
 GCGCGGTTAATGCAAAGACCTATATTGAGAAAGAAGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234308 representing NM_001261467
 Red=Cloning site Green=Tags(s)

MKQTKLEIQKALAEDATVVEYDSIYDEMQLKKEENPKLLL GKDRPKYIHNLLKAVEIRKKEQEKRMK
 KIQREMEKGEFDDKEAFVTSAYKKLQERAEEREREKRAAALEACL DVTQKDL SGFYRHLLNQAVGE
 EEVPKCSFREARSGIKEEKSRGFSNEVSSKNRIPQEKILQTDVKVEENPDADSDFDAKSSADDEIEETR
 VNCRRKVIETPENDFKHRSQNHRSRSPSEERGHSTRHHTKGSRTSRGHEKREDQHQQKSRDQENHYTD
 RDYRKERDSHRHREASHRDSHWKRHEQEDKPRARDQRERSDRVWKREKDRKYSQREQERDRQQNDQNRP
 SEKGEKEEKSKAKEEHMKVRKERYENNDKYRDREKREVGVSSEERNQDRKESSPNSRAKDKFLDQERSNK
 MRNMAKDKERNQEKPSNSESSLGAKHRL TEEGQEKGEQERPEAVSKFAKRNEETVMSARDRYLARQM
 ARVNAKTYIEKEDD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001261467

ORF Size: 1512 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_001261467.1](#), [NP_001248396.1](#)

RefSeq Size: 2432 bp

RefSeq ORF: 1515 bp

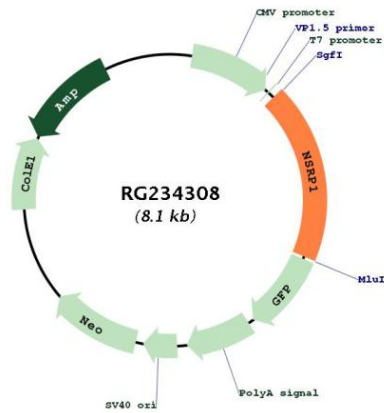
Locus ID: 84081

UniProt ID: [Q9H0G5](#)

Cytogenetics: 17q11.2

Gene Summary: RNA-binding protein that mediates pre-mRNA alternative splicing regulation.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234308