

Product datasheet for **RG222423**

NOL10 (NM_024894) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOL10 (NM_024894) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NOL10
Synonyms:	PQBP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222423 representing NM_024894
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAGGTCTCCAGCCTCAATGAGGTGAAGATTTACAGCCTCAGCTGCGGCAAGTCCCTTCTGAGTGGC
 TTTCTGATAGGAAGAAGAGAGCGCTACAGAAGAAAGATGTAGATGTCCGTAGGAGAATTGAACCTATTCA
 GGACTTTGAAATGCCTACTGTGTGTACCACTATTAAGGTGTCAAAGATGGACAGTACATTTTAGCAACT
 GGAACATATAAACCTCGGTTTCGATGTTATGACACCTATCAATTATCCTTGAAGTTTGAAAGGTGTTTAG
 ATTCAGAAGTTGTACCTTTGAAATTTGTCTGATGACTACTCAAAGATTGTCTTCTACATAATGATAG
 ATACATTGAATTTCAATCGCAATCAGGTTTTACTACAAAACAGAAATACCAAAGTTGGGAGAGATTTT
 TCTTACCACTATCCATCCTGTGACTTGTACTTTGTTGGTCAAGTTCTGAAGTTTATAGTTAACTTAG
 AACAGGACGATACCTGAATCCTCTACAACTGATGCTGCGGAGAATAATGTTTGTGACATAAATTCAGT
 GCATGGCTTGTGGCACAGGAACCATAGAGGGTAGAGTGGAGTCTGGGACCAAGAACTCGAAACAGA
 GTTGGCCTGTAGACTGCGCCTTAACAGTGTACAGCAGATTACAGATAAACAGTTTACCAACAATCT
 CTGCTTTGAAATTAATGGTGCCTTGACCATGGCAGTTGGAACAACACAGGGCAGGGAAAAATATTAC
 TTCCTTGAGCCAGAGCATGACCTTAATGATGTTTGTCTCTACCCAACTCAGGCATGCTCCTGACGGCC
 AATGAAACCCCAAGATGGGCATCTATTACATTCAGTTTTGGGTCTGCTCCTCGTGGTGTCTCTTCT
 TAGACAACTTGACCAAGAATTAGAAGAGAATCCAGAAAGCACAGTCTATGATGATTATAAATTTGTCAC
 CAAGAAAGACCTTGAAAAATTTAGGGCTCACCCACCTCATTGGATCTCCTTCTCCGGGCATATATGCAT
 GGGTTTTTCATGGATATAAGACTCTATCACAAGGTGAACTGATGGTAAATCCATTTGCTTATGAAGAAT
 ATAGGAAAGATAAAATACGACAGAAAAAGAGAAACACGTGCACAGAGAGTCCAGTTAAAGAAATGGC
 AAAAGTTAACAAAGAGCTGGCACTTAAATTAATTGAGGAAGAAGAGGAGAAGCAGAAATCTACATGGAAA
 AAGAAAGTTAAGAGTCTTCTAATATTCTCACCGATGATCGATTTAAAGTTATGTTTGAGAACCTGACC
 TCCAAGTAGATGAAGAGAGTGAAGAATTTAGGCTTCTGAATCCACTTGTTCAAAAATAGTGAAAAAAG
 GAAGAAGAACTAAGACTCTTAGAGCAACAAGAACTTCGTGAAAAAGAAGAGGAGGAAGACCGGAAGGA
 AAACCAAGTGATGCAGAAAGTTCGGAGAGTTCAGATGATGAAAAAGCCTGGGTGAGAGGTGAGGAAGC
 AACGCAGACTCCTCCAGCGGGAGGAAAAAGTGAAGCGGCAGGAACGACTCAAGGAGGACCAGCAGACAGT
 CCTAAAGCCCCAGTTTTATGAGATCAAAGCAGGAGAAGAATTTAGAAGCTTCAAAGATTCTGCCACAAAG
 CAGAACTGATGAACAAAACCTTGAAGATCGTTTGAAATTTGAAGCAAAAAATGGGACATTGAGTGTAT
 CCGACACCACCGTTGGCAGCAACAATTGACATTCACGTTAAAGAGGTCTGAACAGCAGAAGAAGCAACA
 GGAGGCTGAGAACTACATCGACAAGAAAGGAAAGACTCCGTCGTTCCGCCGGACCTGAAGTCAAGA
 CACAAAAGAGGACGGTCGTTTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

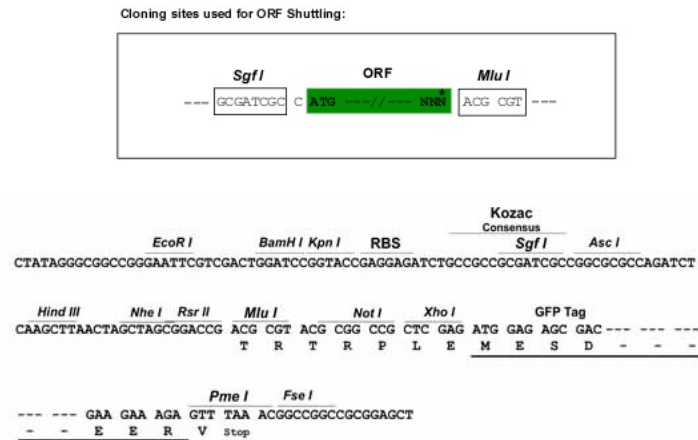
>RG222423 representing NM_024894
 Red=Cloning site Green=Tags(s)

MQVSSLNEVKIYSLSCGKSLPEWLSDRKKRALQKKDQVRRRIELIQDFEMPTVCTTIKVSXKDGQYILAT
 GTYKPRVRCYDQYQLSLKFERCLDSEVVTFEILSDDYSKIVFLHNDRIEFHSQSGFYKTRIPKFGDF
 SYHYPSCDLYFVGASSEVYRLNLEQGRYLNPLQTDAAENNVCDINSVHGLFATGTIEGRVECWDPRTRNR
 VGLLDCALNSVTADSEINSLPTISALKFNGALTMVGTGTTGQKIFTSLPEHDLNDVCLYPNSGMLLTA
 NETPKMGIYYIPVLGPAPRWCSFLDNLTEELEENPESTVYDDYKFVTKKDLNGLTHLIGSPFLRAYMH
 GFFMDIRLYHKVLMVNPFAVEEYRKDKIRQKIEETRAQVRQLKKLPKVNKELALKLIEEEEEKQKSTWK
 KKVKSLPNILTDRFKVMFENPDLQVDEESEFRLLNPLVSKISEKRKKLRLLLEQQELREKEEEEEPEP
 KPSDAESSESSDDEKAWVEEVRQRLLQREEKVKRQERLKEDQQTVLKPQFYIEKAGEEFSFKDSATK
 QKLMNKTLEDRLKIEAKNGTLSVSDTTVGSKQLTFTLKRSEQKKQAEKLRQERKRLRRSAGHLKSR
 HKRGRSFH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024894

ORF Size: 1914 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_024894.1](#), [NP_079170.1](#)

RefSeq Size: 3333 bp

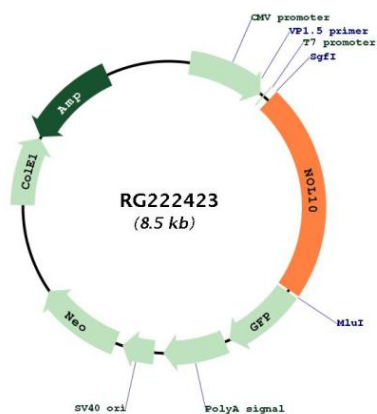
RefSeq ORF: 2067 bp

Locus ID: 79954

UniProt ID: [Q9BSC4](#)

Cytogenetics: 2p25.1

Product images:



Circular map for RG222423