

Product datasheet for **RG205829**

NPL4 (NPLOC4) (NM_017921) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPL4 (NPLOC4) (NM_017921) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPL4
Synonyms:	NPL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205829 representing NM_017921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGAGAGCATCATAATTCGTGTCCAGTCCCCGGATGGAGTGAAGCGGATCACAGCAACAAAGAGAG
 AACACAGCAGCAACATTTTGA AAAAGGTTGCAAAGGAGTTGGCTTCCAAAATAATGGCTTCTCGGTTTA
 CATCAATAGAAAACAAGACCGGAGAGATAACAGCCTCCTCCAACAATCCCTCAACTTGCTAAAAATCAAG
 CATGGCGATTTGTTGTTCTGTTCCCTCGAGCCTTGCTGGGCCCTCATCTGAAATGGAGACTTCAGTTC
 CACCGGGCTTCAAAGTCTTGGCGCTCCCAACGTGGTGGAGGATGAGATTGATCAGTACCTCAGCAAACA
 GGACGGGAAGATTACAGAAGCCGAGACCCACAGCTATGCCGCCACGGCCCTTGGGGAAATGCGTGCAC
 TGCGTCCCTCTAGAGCCATTGATGAGGACTATCTAAACCATCTCGAGCCTCCCGTGAAGCACATGTCT
 TCCACGCCTACATCCGGAAGCTGACTGGAGGGGCTGACAAGGGGAAGTTGTTGCCCTGGAGAACATCAG
 CTGCAAGATTAAGTCAGGGTGCAGGGGCACCTCCCGTGGCCGAATGGCATCTGTACTAAGTCCAGCCG
 AGCGCCATCACGCTGAACAGACAGAAGTACAGGCATGTGGACAATATCATGTTTGAAGTACACCCGTCG
 CTGACCGCTTCTTGACTTCTGGAGAAAGACAGGGAACAGCATTGTTGGTACTTATACGGACGGTACAC
 GGAGCACAAAAGACATTCCCCTTGGCATCAGGGCTGAAGTGGTGCATTTATGAGCCACCTCAGATTGGT
 ACACAGAACAGCTTGGAGCTTCTTGGAGATCCAAAAGCTGAAGTGGTTCGATGAAATTGCTGCCAACTTG
 GCCTGCGGAAGGTTGGCTGGATATTTACAGACCTCGTCTCAGAAGATACCCGAAAGGGTACCGTCCGCTA
 CAGTCGAAATAAGGACACCTATTTCTAAGTTCAGAAGAGTGCATCACTGCAGGAGACTTCCAGAACAAG
 CATCCCAACATGTGCCGGCTCTCTCCAGACGGACATTTGGATCCAAGTTGTTACTGCAGTGGCTACAG
 GTGGTCTGACAACCAAGTCCACTTTGAAGGGTACCAGGTGCCAATCAGTGTATGGCAGTGGTCCGTGA
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 GCAAAATCCATTTCTATTGAAAACCGGGATGTATTGGGTGAGACACAGGACTTCCATAGCTTGGCCACC
 TATTTGTCTCAGAATACCTCATCTGTGTTCTTGGATACCATCTCAGATTTCCACCTTGTCTGTTCTGG
 TCACCAATGAAGTTATGCCTCTGCAGGACAGCATCAGCTTGTCTGGAGGCCGTGCGGACCAGAAATGA
 GGAGCTCGCCAGACATGGAAGAGGTCTGAGCAGTGGGCCACCATCGAGCAGCTGTGCAGCACAGTTGGC
 GGGCAGCTCCAGGTCTCATGAGTACGGGGCCGTGCGGGGCTCCACACACAGGCCACTGCAGCCATGT
 GGGCCTGTCAGCACTGCAGTTCATGAACCAGCCAGGCACAGGCCACTGCGAGATGTGCAGCTCCCCAG
 GACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205829 representing NM_017921
 Red=Cloning site Green=Tags(s)

MAESIIIRVQSPDGVKRITATKRETAATFLKVKVAKFEGFQNGFSVYINRNKTGEITASSNLSLNLKIK
 HGDLLFLFPSSLAGPSEMETSVPFGKVFVGNVVEDEIDQYLSKQDGKIYRSRDPQLCRHGPLGKCVH
 CVPLEPFDEDEYLNHLEPPVKHMSFHAYIRKLTGGADKGFVALENISCKIKSGCEGHLPPWPNGICTKQCP
 SAITLNRQKYRHVDNIMFENHTVADRFLDFWRKTGNQHFYLYGRYTEHKDIPLGIRAEVAAYIYEPPIQIG
 TQNSLELLEDPKAEVVDEIAAKLGLRKVGWIFDLVSEDTRKGTVRYSRNKDITYFLSSEECITAGDFQNK
 HPNMCRLSPDGHFGSKFVAVATGGPDNQVHFEGYQVSNQCMALVRDECLLPCKDAPELGYAKESSEQY
 VPDVFYKDVKFNEITQLARPLPVEYLIIIDITTFPKDPVYTFISQNPFPPIENRDVLETQDFHSLAT
 YLSQNTSSVFLDTISDFHLLFLVTNEVMPLQDISLLEAVRTRNEELAQTWKRSEQWATIEQLCSTVG
 GQLPGLHEYGAVGGSTHTATAAMWACQHCFTMNQPGTGHCHEMCSLPR

TRTRPLE – GFP Tag – V

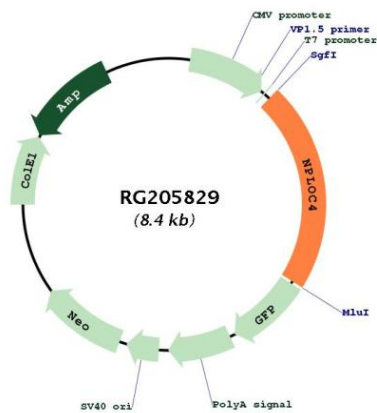
Restriction Sites:

Sgfl-MluI

RefSeq Size: 4346 bp
 RefSeq ORF: 1827 bp
 Locus ID: 55666
 UniProt ID: [Q8TAT6](#)
 Cytogenetics: 17q25.3
 Domains: zf-RanBP, zf-NPL4, NPL4

Gene Summary: The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and UFD1, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I (PubMed:26471729).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205829