

Product datasheet for **RG202574**

NDFIPI (NM_030571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NDFIPI
Synonyms:	N4WBP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202574 representing NM_030571
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTGGCGTTGGCGGCGCTGGCGGCGGTCTGAGCCGGCTGCGGCAGCCGGTACCAGCAGTTGCAGA
ATGAAGAAGAGTCTGGAGAACCTGAACAGGCTGCAGGTGATGCTCTCCACCTTACAGCAGCATTCTCGC
AGAGAGCGCAGCATATTTTGACTACAAGGATGAGTCTGGGTTTCCAAAGCCCCATCTTACAATGTAGCT
ACAACACTGCCAGTTATGATGAAGCGGAGAGGACCAAGGCTGAAGCTACTATCCCTTTGGTTCCTGGGA
GAGATGAGGATTTTGTGGGTCGGGATGATTTTGATGATGCTGACCAGCTGAGGATAGGAAATGATGGGAT
TTTCATGTAACTTTTTCATGGCATTCTCTTAACTGGATTGGGTTTTCTGTCTTTTGCCTGACC
ACTTCAGCTGCAGGAAGGTATGGGGCCATTTAGGATTTGGTCTCTCTAATTAAATGGATCCTGATTG
TCAGGTTTTCCACCTATTTCCCTGGATATTTGATGGTCAGTACTGGCTCTGGTGGGTTCCTTGTCTT
AGGCTTTCTCCTGTTTCTCAGAGGATTTATCAATTATGCAAAAGTTCGGAAGATGCCAGAACTTTCTCA
AATCTCCCCAGGACCAGAGTTCTCTTTATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202574 representing NM_030571
Red=Cloning site Green=Tags(s)

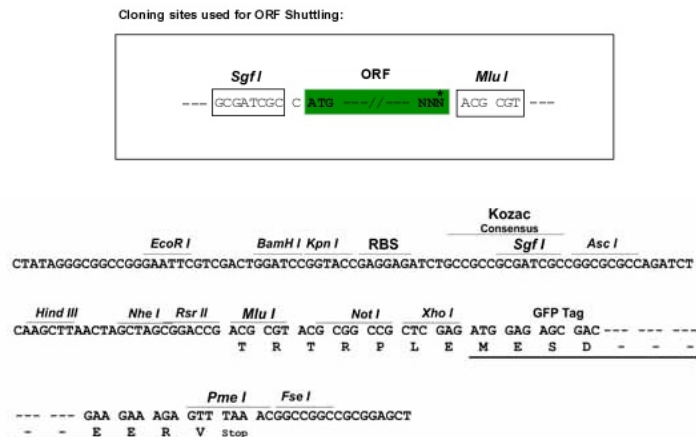
MALALAALAAVEPACGSRYQLQNEEESGEPEQAAGDAPPPYSSISAESAAYFDYKDESGFPKPPSYNVA
TTLPSYDEAERTKAEATIPVGRDEDFVGRDDFDDADQLRIGNDGIFMLTFFMAFLFNWIGFLLSFCLT
TSAAGRYGAISGFLSLIKWILIVRFSTYFPGYFDGQYWLWWVFLVLGFLFLRGRFINYAKVRKMPETFS
NLPRTVLFIY

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030571

ORF Size: 663 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_030571.4](#)

RefSeq Size: 2533 bp

RefSeq ORF: 666 bp

Locus ID: 80762

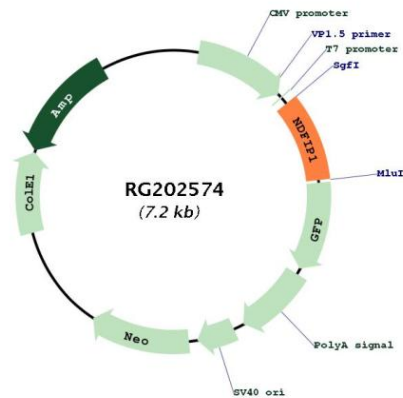
UniProt ID: [Q9BT67](#)

Cytogenetics: 5q31.3

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene belongs to a small group of evolutionarily conserved proteins with three transmembrane domains. It is a potential target for ubiquitination by the Nedd4 family of proteins. This protein is thought to be part of a family of integral Golgi membrane proteins. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202574