

Product datasheet for **RN215006**

Nploc4 (NM_080577) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nploc4 (NM_080577) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nploc4
Synonyms:	Npl4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215006 representing NM_080577
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGAGCATCATAATCCGTGTCCAATCCCCGATGGAGTGAAGAGGATCACAGCAACAAAGAGAG
 AAACAGCCGCAACATTTCTGAAAAAGTTGCAAAGGAGTTTGGCTTCCAAAACAACGGCTTCTCGGTTTA
 CATCAATAGAAAACAAGACTGGAGAGATAACAGCATCGTCCAGCAAATCCCTGCATTTGCTAAAAATCAAG
 CATGGCGATTTGTTGTTCCCTGTTCCCTCAAGCCTTGCTGGACCTCATCTGAAATGAAACATCGACCT
 CAGTAGGGTTAAAGGCCTTTGGTCTCCTCACGTGGTTGAAGATGAGATTGATCAATACCTCAGCAAGCA
 GGATGGGAAGATTTATAGGAGCCGAGACCCACAGTTATGCCGCCATGGTCCCTTGGGCAAGTGTGTGCAT
 TGTGTCCACTGGAGCCATTTGATGAAGACTATCTGAACCACTGGAGCCTCCTGTGAAGCATGTCTCT
 TCCATGCCTACATCCGGAAGCTGACTGGAGGGGCTGACAAGGGGAAGTTCGTTGCCCTGGAGAACATCAG
 CTGCAAGATTAAGTCAGGATGTGAGGGACCTCCCTTGCCAAATGGTATCTGTACCAAATGCCAGCCT
 AGTGCCATCACATTGAACAGACAGAAAATATAGACATGTGGACAACATTATGTTTGAAGATCACACTGTTG
 CTGACCGTTTCCCTTGACTTCTGGAGAAAAGACAGAAAACCAACATTTCCGGTACTTATATGGACGGTACAC
 AGAGCACAAAAGACATTTCCCTTGGCATCAGGGCTGAAGTGGTGCAATTTATGAGCCTCCTCAGATTGGT
 ACACAGAACAGCCTGGAGCTTCTGGAAGATCCAAAAGCTGAGGTGGTTGACGAGATTGCCTCCAACTTG
 GCCTGAGGAAGTTGGATGGATATTCACGGACCTGTCTCAGAAGATACCCGAAAGGGTACAGTCCGATA
 CAGTCGGAATAAGGACACCTATTTCTGAGTTCAGAAGAATGCATCACTGCAGGAGACTTCAAACAAG
 CACCCCAACATTTGCCGGCTCTCTCCGGATGGTCATTTGGATCCAAGTTTGTACTGCAGTGGCCACAG
 GTGGTCCCTGATAACCAGTTTCACTTTGAAGGGTACCAGGTATCCAATCAGTGCATGGCAGTGGTCCGAGA
 TGAGTGTCTTCTACCTTGTAAAGGATGCCCTGAGCTCGGCTATGCCAAGGAGTCCAGCAGTGAACAATAT
 GTTCTGACGTGTTTTACAAGGACATAGACAAGTTTGGCAATGAGATCACCCAGCTGGCCCGTCCCTGC
 CTGTGGAGTATCTCATCATAGATATCACAACCCTTCCCAAGGATCCAGTTTACACTTTTTCTATTTT
 TCAAAAATCCGTTTCTATTGAAAACCGGGATGTGCTGGGTGAGACACAGGACTTCCATAGTTTGGCCACC
 TACTTGTCCAGAATACCTCATCTGTGTTCTTGGATACCATCTCCGACTTCCATCTCCTGTTGTTTCTGG
 TCACCAATGAAGTCATGCCACTGCAGGACAGTATCAGCCTGCTGCTAGAAGCCGTGAGGACCAGAAACGA
 GGAGCTAGCACAGACATGAAAAAGTCTGAACAGTGGGCCACCATGAGCAGCTGTGCAGCACTGTTGGT
 GTGCAGCTCCAGGCCTCATGAGTTTGGTGCAGTCCGGGGCTCTGCACGCGCTGTACCTTGCCATGT
 GGGCTTGTGAGCACTGCACCTTATGAACCAGCCTGGCACAGGCCACTGCGAGATGTGCAGCCTTCCCGG
 GACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_080577

Insert Size: 1827 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_080577.2](#), [NP_542144.1](#)

RefSeq Size: 3727 bp

RefSeq ORF: 1827 bp

Locus ID: 140639

UniProt ID: [Q9ES54](#)

Cytogenetics: 10q32.3

Gene Summary: Npl4-Ufd1 complex competes with p47 to bind p97 and inhibit Golgi membrane fusion; may play a role in ubiquitin mediated processes during mitosis [RGD, Feb 2006]