

Product datasheet for **MC217430**

Nup62 (NM_053074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup62 (NM_053074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup62
Synonyms:	D7Ertd649e; Nupc1; p62
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217430 representing NM_053074
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGTGGATTTAACTTTGGAGGCACCGGGCTCCTGCTGGCGGCTTTACATTTGGGACCGCAAAGACTG
 CGACCACCACACCTGCCACTGGCTTTTCTTCTCTGCTTCTGGCACCGGCACCGGAGGGTTAATTTTGG
 GACTCCCTCCCAGCCAGCTGCGACCACCCCTTCCACCAGCCTTCTCTCACTCACCACACAGACCCCAACC
 ACACAGACCCCAGGATCAACTTTGGAACAACACCTGCTTCTGGAGGAACAGGCTTCTCCCTGGGGATCA
 GCACCCCAAAGCTCAGCCTGAGTAACGCAGCTGCCACACCAGCCACGGCCAACACTGGCAGCTTTGGGCT
 TGGCAGCAGCACCTACCAATGCCATCTCAAGTGGCAGCACCTCAACCAGGGGACAGCCCCACTGGC
 TTTGTCTTTGGCTCTTCTACCACCTCTGCTCCGTCACCGGCTCCACTGGGTTCTCATTACCAGTGGCA
 GTGCATCCAGCCTGGAGCCTCTGGCTTACGCTTGGCTCTGTGGGTAGCTCTGCCAGCCACAGCACT
 GTCTGGCTCTCCCTTACACCAGCCACTCTGGTACTACTACAGCAGGAGCTACACAGCCAGCTGCTGCT
 GCACCCACTGCTGCCACCACAGTGCAGGGTCTACACTCTTTGCTTCCATAGCTGCTGCTCCTGCCTCAT
 CCAGTGCTACAGGGCTCTCCCTCCCAGTCCGGTGACAACCTGCAGCAACTCCTAGTGCTGGGACTTTGGG
 CTTCAGCCTCAAGGCCCTGGAGCAGCTCCTGGTGCCTCCACCACCAGCACCACCCTACCCTACCACC
 ACTACTACCCTGCTGCTGCCGCTGCCGCTCTACCACAACACTGGCTTTGCCTTAAGTCTGAAACCC
 TGGTGTGAGCTGGCCCCAGCAGTGTAGCAGCTACTGCTCTGCCTGCCTCCAGCACAGCAGCTGGGACTGC
 CACAGGTCCAGCGATGACCTATGCACAGCTGGAAAGCTTGATCAACAAGTGGAGTCTGGAGCTGGAAGAT
 CAGGAGCGGCACCTCTGCAGCAGGCCACACAGGTCAATGCCTGGGACCGCACACTGATTGAGAAATGGGG
 AGAAGATCACAGCCTGCACCCGAGAGGTGGAAGGTGAAGCTGGATCAGAAGCGACTGGACCAAGGAGCT
 GGACTTTATCCTGTGCGCAGCAGAAGGAGCTGGAAGACCTCCTGAGCCATTGGAGGAGTCAAGTGAAGGAG
 CAAAGTGGCACCATATACCTTACGACAGCTGATGAGGAGCGTGAGAAGACCTACAAGCTGGCTGAGAACA
 TTGATGCTCAGCTCAAGCGCATGGCACAGGACCTCAAGGATATCATCGAGCACCTGAACATGGCTGGTGG
 CCCTGCAGACACCAGTGACCCATTGCAACAGATCTGCAAGATCCTCAATGCACACATGGACTCTCTTCAG
 TGGGTGGACAGAGCTCTGCCCTGCTGCAGAGGAGGGTGGAGGAGGCTAGCCGTGTATGTGAGGGCCGGC
 GCAAGGAACAGGAGCGCAGTCTGCGCATTGCCTTTGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053074

Insert Size: 1581 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_053074.2](#), [NP_444304.1](#)

RefSeq Size: 3746 bp

RefSeq ORF: 1581 bp

Locus ID: 18226

UniProt ID: [Q63850](#)

Cytogenetics: 7 28.93 cM

Gene Summary: Essential component of the nuclear pore complex. The N-terminal is probably involved in nucleocytoplasmic transport. The C-terminal is involved in protein-protein interaction probably via coiled-coil formation, promotes its association with centrosomes and may function in anchorage of p62 to the pore complex. Plays a role in mitotic cell cycle progression by regulating centrosome segregation, centriole maturation and spindle orientation. It might be involved in protein recruitment to the centrosome after nuclear breakdown.
[UniProtKB/Swiss-Prot Function]