

Product datasheet for **RN204392**

Nubp1 (NM_001009619) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nubp1 (NM_001009619) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nubp1
Synonyms:	MGC108970
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204392 representing NM_001009619 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGGGGGCGCCCCACGGCTGCCCCGGGGCCGATAGCGCCAGGCGGGCCGAGGAGCTTCTTGCCAGG
GATGCCCCAACCAAGTTGTGCGCATCCGAGCCGGCGCCGACCGACCCGGCTGTGGAGGAAATCAG
AGAGAAGATGAAGACGGTGAGACACAGGATCTTGGTGTGTCTGGGAAAGGCGGCGTTGGGAAAAGCACA
TTCAGTGGCCACCTCGCCACGGCCTGGCAGAGGATGGAGACACACAGGTTGCTTCTTGACATCGACA
TCTGTGGGCCATCGATCCCCAAGATCATGGGCTTAGAAGGAGAGCAGGTTCAACAGAGTGGCTCCGGCTG
GTCTCCAGTGTATGTGGAGGACAACCTGGGGGTGATGTCTGTGGGCTTCCTGCTCAGCAGCCCGGATGAT
GCTGTCTCTGGAGGGGACCAAGAAAAACGGTATGATCAAGCAGTTCCTCCGAGACGTAGACTGGGGAG
ACGTGGACTACCTCGTCATAGACACCCACCCGGCACGTCCGATGAGCACCTCTCGGTGGTCCAGTATCT
GGCTGCCGCACACATTGATGGGGCGGTGATCCTACCAACCCCTCAGGAGGTGGCCCTCCAGGATGTTCCG
AAAGAGATCAGTTTCTGTCAAGGTGAAGTGCCCATCATTGGTGTGGTAGAGAATCAGTGGTTTCA
TCTGCCCCAAGTGCAAGAGAGTCTCAGATCTTCCCTCCCACTGGGGGTGCAGAGGCCATGTGCCA
GGCCCTGAAGATCCCTCTTCTGGGCAAAGTGCCGCTGGATCCACATAGGCAAGAGCTGTGACAAAGGC
CAGTCTTTTTTTGTTGAAGCCCCAGATTCACGACCCAGCAGCCTACAAAAGTATAATTCAGAGGATCC
GAGAGTTTTGTAATTCCTGTCAGTCACATGATGAGAACCTCATCAGCCCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001009619



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Insert Size:	963 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_001009619.1 , NP_001009619.1
RefSeq Size:	1249 bp
RefSeq ORF:	963 bp
Locus ID:	287042
UniProt ID:	Q5I0L4
Cytogenetics:	10q11
Gene Summary:	Component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery. Required for maturation of extramitochondrial Fe-S proteins. The NUBP1-NUBP2 heterotetramer forms a Fe-S scaffold complex, mediating the de novo assembly of an Fe-S cluster and its transfer to target apoproteins. Implicated in the regulation of centrosome duplication. Negatively regulates cilium formation and structure.[UniProtKB/Swiss-Prot Function]