

Product datasheet for **RN209459**

Nubp2 (NM_001011891) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nubp2 (NM_001011891) Rat Untagged Clone
Tag: Tag Free
Symbol: Nubp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209459 representing NM_001011891
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGGCTGCTGCTGAGCCCGAAACCTGGCCGGTGTGCGACATATCATCCTTGTCTTTCTGAAAGG
GAGGCGTTGGGAAAAGCACCATCTCCACGGAGTTGGCCCTGGCGCTGCGCCACCAGGCAAGAAGTGGG
GATCCTAGATGTGGACCTGTGTGGCCCCAGCATACCACACATGCTCCATGCACAAGGCAAAGCAGTGCAC
CAGTGTGACAGTGGCTGGTGCCTGTCTTTGTGGATCAGGAGCAGAGCATCTCCCTTATGTCTGTGGGCT
TCCTGCTGGAAAACCTGATGAGGCCGTGGTGTGGAGAGTCCCAAGAAACATGCACTGATAAAGCAGTT
TGTGTCTGACGTGGCCTGGGGGAGCTGGACTATCTGGTTGTGGACACCCTCCAGGGACTTCTGATGAG
CACATGGCCACGGTGGAAGCACTGCGGCCCTATAAGCCCTTGGGGCTCTGTGGTCACCACACCACAGG
CCGTGTCTATTGGGGACGTGAGGCGGGAGCTGACCTTCTGTAAGAAGACTGGGCTGCAGGTGATAGGGGT
CATAGAGAACATGAGCGGCTTCGCTGCCCGCACTGCGCTGAGTGCACCAATGTCTTCCAGCGGGCGT
GGGGAGGAGCTGGCCCGCTGGCTGGCGTTCCTTTTTAGGTTCTGTTCCCTGGATCCCAGCTTACCA
GGAGCTTGAGGAGGGGGCTGACTTCATCCAGGAATTTCCAAAAGCACCGCATATCCGCACTCACATC
CATAGCTATAAAGTTCTGCACCAGATGCCTGCTGTGCTCT**GATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001011891
Insert Size: 816 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001011891.1</u> , <u>NP_001011891.1</u>
RefSeq Size:	1420 bp
RefSeq ORF:	816 bp
Locus ID:	287125
UniProt ID:	<u>Q68FS1</u>
Cytogenetics:	10q12
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. Negatively regulates cilium formation and structure.[UniProtKB/Swiss-Prot Function]