

## Product datasheet for **RC236594**

### **NUBP2 (NM\_001284501) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: NUBP2 (NM\_001284501) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: NUBP2  
 Synonyms: CFD1; CIAO6; NBP 2; NUBP1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RC236594 representing NM\_001284501  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCGGGCGCAGGGCAGGGCTGTGCACCAAGTGCACCGCGGGCTGGGCACCCGTCTTCTGGACCGGG  
 AGCAGAGCATCTCGCTCATGTCTGTGGCTTCTGCTGGAGAAGCCGGACGAGGCCGTGGTGTGGAGAGG  
 CCCAAGAAAAACGCGCTGATAAAGCAGTTTGTGTCCGACGTGGCCTGGGGGAGCTGGACTACCTGGTG  
 GTGGACACGCCCCCGGGGACCTCCGATGAGCACATGGCCACCATAGAAGCCCTGGTCCCTACCAGCCCC  
 TGGGGGCCCTCGTGGTCACCACGCCCCAGGCGGTGTCCTGGGGGACGTGAGGCGCGAGCTGACCTTCTG  
 TAGGAAGACGGGCTTGCGGGTGATGGGAATCGTGGAGAATATGAGCGGCTTACCTGCCACACTGCACG  
 GAGTGCACCGCGTCTTCTCCAGGGCGGGGAGAGGAGCTGGCCAGCTCGCCGGGGTGCCTTCTTAG  
 GCTCCGTGCCCTGGACCCTGCGCTCATGAGGACCCTGGAGGAGGGCCACGACTTCCATCCAGGAGTTCCC  
 TGGGAGCCCCGCCTTCGCTGCACTCACCTCCATAGCCCAGAAGATTCTGGACGCGACGCCCGCTGCCTC  
 CCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236594 representing NM\_001284501  
 Red=Cloning site Green=Tags(s)

MLGAQGRAVHQCDRQWAPVFLDREQSISLMSVGFLLLEKPD EAVVWRGPKKNALIKQFVSDVAWGELDYLV  
 VDTPPGTSDEHMTIEALRPYQPLGALVTTTPQAVSVGDVRRRELTF CRKTGLRVMGIVENMSGFTCPHCT  
 ECTSVFSRGGGEELAQLAGVPFLGSPVLPALMRTL EEGHDFIQEFPGSPAF AALTSIAQKILDATPACL  
 P

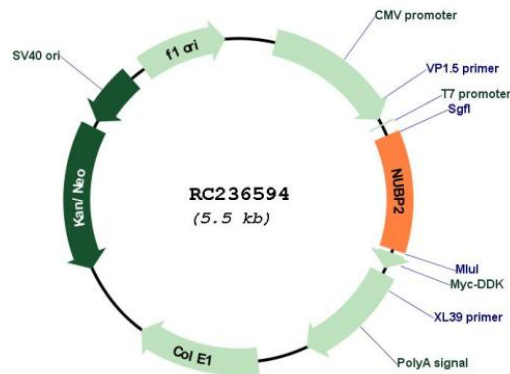
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001284501

**ORF Size:** 633 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001284501.2</a>
<b>RefSeq Size:</b>	1598 bp
<b>RefSeq ORF:</b>	636 bp
<b>Locus ID:</b>	10101
<b>UniProt ID:</b>	<a href="#">Q9Y5Y2</a>
<b>Cytogenetics:</b>	16p13.3
<b>MW:</b>	23.2 kDa
<b>Gene Summary:</b>	This gene encodes an adenosine triphosphate (ATP) and metal-binding protein that is required for the assembly of cytosolic iron-sulfur proteins. The encoded protein functions in a heterotetramer with nucleotide-binding protein 1 (NUBP1). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013]