

Product datasheet for RC236690

NUBP2 (NM_001284502) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: NUBP2 (NM_001284502) 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: >RC236690 representing NM_001284502
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCACCATAGAAGCCCTGCGTCCCTACCAGCCCCTGGGGCCCTCGTGGTACCACGCCCCAGGCGG
 TGTCGGTGGGGACGTGAGGCGCGAGCTGACCTTCTGTAGGAAGACGGGCTTGCGGGTGATGGGAATCGT
 GGAGAATATGAGCGGCTTACCTGCCACACTGCACGGGGCGGCGAGAGGAGCTGGCCAGCTCGCCGG
 GGTGCCCTTCTTAGGCTCCGTGCCCTGGACCTGCGCTCATGAGGACCTGGAGGAGGGCCACGACTTC
 ATCCAGGAGTTCCCTGGGAGCCCGCCTTCGCTGCACTCACTCCATAGCCCAGAAGATTCTGGACGCGA
 CGCCCGCGTGCCTCCCCTGACTAAGGCCACCTGCAGCCGCTTCCAGGGCCACCAAGGGCTCTGCTCCA
 GCCTCTCAGAGAAACAGAGGCTGGGCTCGGTTCCCGGGCCCTGCAGGGGCGAGCCAGGCAGCGTCAGC
 CGGAGAGCTTCTCCCGACCCAGCCAGCCAGGATGTGTGCACCAGCAGCTCTGCCTGGTTGGCCTGC
 AGTGCCGTGGTCTGCGTGTCTGCAGCTGTGAGACGGGGCGGCTGGGCTCTCTCCCATCCATGTTGC
 CTACCTGTGCCCTGGCAGCCGCGTGTCCACACAGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236690 representing NM_001284502
 Red=Cloning site Green=Tags(s)

MATIEALRPYQPLGALVVTTPQAVSVGDVRRRETF CRKTGLRVMGIVENMSGFTCPHCTGRRRGAGPARR
 GALLRLRAPGCAHEDPGGGPRLHPGVWPEPRLRCTHLHSPEDSGRDARVPPLTKATLQPLSRATKGSAP
 ASQRNRGLGSVPGPCRGRPRQRQPEFSFPTSPAPGCVAPAALPGWPAVPWSACSAAVRRGRPLSSHPC
 LPVPLAAACPHS

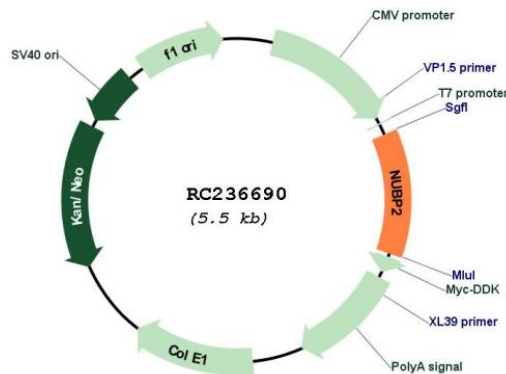
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284502

ORF Size: 666 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001284502.2
RefSeq Size:	1186 bp
RefSeq ORF:	669 bp
Locus ID:	10101
Cytogenetics:	16p13.3
MW:	23.8 kDa
Gene Summary:	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]