

Product datasheet for **RG236594**

NUBP2 (NM_001284501) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUBP2 (NM_001284501) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUBP2
Synonyms:	CFD1; CIAO6; NBP 2; NUBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236594 representing NM_001284501. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCGGGCGCAGGGCAGGGCTGTGCACCAAGTGCACCGCGGCTGGGCACCCGTCTTCCTGGACCGG
GAGCAGAGCATCTCGTCTGTCTGTGGCTTCTGCTGGAGAAGCCGGACGAGGCCGTGGTGTGGAGA
GGCCCCAAGAAAACGCGCTGATAAAGCAGTTTGTGTCCGACGTGGCTGGGGGAGCTGGACTACCTG
GTGGTGGACACGCCCCGGGACCTCCGATGAGCACATGGCCACCATAGAAGCCCTGCGTCCCTACCAG
CCCCTGGGGCCCTCGTGGTACCACGCCCCAGGCGGTGTCCGTGGGGACGTGAGGCGCGAGCTGACC
TTCTGTAGGAAGACGGGCTTGCGGGTGATGGGAATCGTGGAGAATATGAGCGGCTTCACCTGCCACAC
TGCACGGAGTGCACCAAGGCTTCTCCAGGGCGCGGAGAGGAGCTGGCCACGCTCGCCGGGTGCC
TTCTTAGGCTCCGTGCCCTGGACCCTGCGTCTATGAGGACCCTGGAGGAGGGCCACGACTTCATCCAG
GAGTTCCTGGAGCCCCGCCTTCGCTGCACTCACCTCCATAGCCCAGAAGATTCTGGACGCGACGCC
GCGTGCCCTCCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG236594
 Blue=ORF Red=Cloning site Green=Tag(s)

MLGAQGRAVHQCDRQWAPVFLDREQSISLMSVGFLLLEKPD EAVVWRGPKKNALIKQFVSDVAWGELDYLVVDTPPQTSDEHMTIEALRPYQPLGALVVTTPQAVSVGDVRRRELF CRKTGLRVMGIVENMSGFTCPHCTECTSVFSRGGGEELAQLAGVPFLGSVPLDPALMRTLEEGHDFIQEFPGSPAFAALTSIAQKILDATPACLP
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHVMGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEDSVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFAFRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284501

ORF Size: 633 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).

RefSeq: [NM_001284501.2](#)

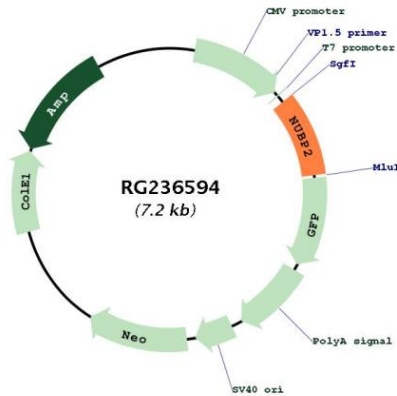
RefSeq Size: 1598 bp

RefSeq ORF: 636 bp

Locus ID: 10101
UniProt ID: [Q9Y5Y2](#)
Cytogenetics: 16p13.3
MW: 23.2 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]

Product images:



Circular map for RG236594