

Product datasheet for **RG236690**

NUBP2 (NM_001284502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUBP2 (NM_001284502) 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:	>RG236690 representing NM_001284502. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACCATAGAAGCCCTGCGTCCCTACCAGCCCTGGGGCCCTCGTGGTCACCACGCCCCAGGCG
GTGTCCGTGGGGACGTGAGGCGGAGCTGACCTTCTGTAGGAAGACGGGCTTCCGGGTGATGGGAATC
GTGGAGAATATGAGCGGCTTACCTGCCACACTGCACGGGGCGGAGAGGAGCTGGCCAGCTCGC
CGGGGTGCCCTTCTTAGGCTCCGTGCCCTGGACCCTGCGCTCATGAGGACCCTGGAGGAGGGCCACGA
CTTCATCCAGGAGTCCCTGGGAGCCCCGCTTCGCTGCACTCACCTCCATAGCCAGAAGATTCTGGA
CGCGACGCCCGCTGCCTCCCCTGACTAAGGCCACCTTGCAGCCGCTTCCAGGGCCACCAAGGGCTCT
GCTCCAGCCTCTCAGAGAAACAGAGGCCTGGGCTCGGTTCCCGGGCCCTGCAGGGCAGGCCAGGCAG
CGTCAGCCGGAGAGCTTCTCCCCGACCAGCCAGCCAGGATGTGTCGACCCAGCAGCTCTGCCTGGT
TGGCCTGCAGTGCCGTGGTCTGCGTGCTCTGCAGCTGTGAGACGGGGCGGCTGGGCTCTCTTCCCAT
CCATGTTGCCTACCTGTGCCCTGGCAGCCGCGTGTCCACACAGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236690
 Blue=ORF Red=Cloning site Green=Tag(s)

MATIEALRPYQPLGALVVTTPQAVSVGDVRRLETFCKRTGLRVMGIVENMSGFTCPHCTGRRRGAGPAR
 RGALLRLRAPGCAHEDPGGGPRLHPGVPWEPRRLRCHLHSPEDSGRDARVPPLTKATLQPLSRATKGS
 APASQRNRLGSLVPGPCRGRPRQRQPESFSPTSPAPGCVAPAALPGWPAVWPSACSAAVRRGRPLSSH
 PCCLPVPLAAACPHS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001284502.2](#)

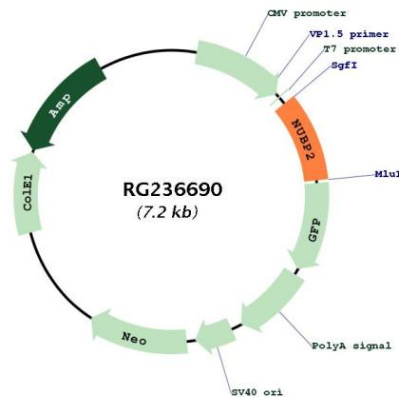
RefSeq Size: 1186 bp

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]

Product images:



Circular map for RG236690