

Product datasheet for RG221209

NDUFA6 (NM_002490) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

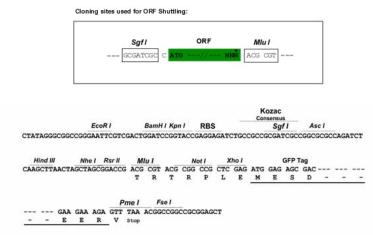
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	NDUFA6 (NM_002490) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NDUFA6
Synonyms:	B14; CI-B14; LYRM6; MC1DN33; NADHB14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG221209 representing NM_002490 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGAAAAGACATTCGCCCGCGGTCCGCACGCGCTGCTTGCAAAGGGGTGGGGTTGTGGAGTGGATGCT TTGGCAAGATGGCGGGGAGCGGCGTCCGCCAAGCTACTTCTACCGCCAGCACCTTCGTGAAGCCCATTTT CAGTCGGGACATGAACGAGGCCAAGCGGAGGTGCGCGCGAGCTCTACCGCGCCTGGTATCGGGAGGTGCCG AACACTGTGCACCAATTCCAGCTGGACATCACTGTGAAAATGGGACGGGATAAAGTCCGAGAAATGTTTA TGAAGAATGCCCATGTCACAGACCCCAGGGTGGTTGATCTTCTGGTCATTAAGGGAAAGATCGAACTGGA AGAAACAATTAAAGTATGGAAGCAGCGGACACATGTTATGCGGTTCTTCCATGAAACAGAAGCGCCAAGG CCAAAGGATTTCCTATCCAAGTTCTATGTTGGCCACGATCCA
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	<pre>>RG221209 representing NM_002490 Red=Cloning site Green=Tags(s)</pre>
	MGKDIRPRSARAACKGVGLWSGCFGKMAGSGVRQATSTASTFVKPIFSRDMNEAKRRVRELYRAWYREVP NTVHQFQLDITVKMGRDKVREMFMKNAHVTDPRVVDLLVIKGKIELEETIKVWKQRTHVMRFFHETEAPR PKDFLSKFYVGHDP
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul

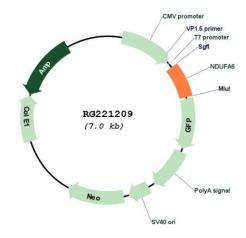


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cloning Scheme:



Plasmid Map:



ACCN:	NM_002490
ORF Size:	462 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORIGENE NDUFA6 (NM_002490) Human Tagged ORF Clone – RG221209	
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 002490.4</u>
RefSeq Size:	1202 bp
RefSeq ORF:	387 bp
Locus ID:	4700
UniProt ID:	<u>P56556</u>
Cytogenetics:	22q13.2
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	This gene encodes a member of the LYR family of proteins that contain a highly conserved tripeptide (LYR) motif near the N-terminus. The encoded protein is an accessory subunit of NADH: ubiquinone oxidorerductase (Complex I), which is the largest enzyme of the mitochondrial membrane respiratory chain. Complex I functions in electron transfer from NADH to the respiratory chain. [provided by RefSeq, Oct 2016]

~ \$1/-

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US