

Product datasheet for RC220428

MRPL30 (NM_145213) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: MRPL30 (NM_145213) Human Tagged ORF Clone Tag: Myc-DDK MRPL30 Symbol: Synonyms: FLJ44438; MGC3314; MGC24095; mitochondrial ribosomal protein L30; MRP-L28; MRPL28; OTTHUMP00000161222: RPML28 Mammalian Cell Neomycin Selection: Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL) **ORF** Nucleotide >RC220428 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) Sequence: TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTGGGATTTTGCGCTTAGTAGTTCAATGGCCCCCAGGCAGACTACAGACCGTGACAAAAGGTGTGG AGTCTCTTATTTGTACAGATTGGATTCGTCACAAATTCACCAGATCAAGAATTCCAGAAAAAGTGTTTCA GGCCTCACCTGAAGATCATGAAAAATACGGTGGGGATCCACAGAACCCTCATAAACTGCATATTGTTACC AGAATAAAAAGTACAAGAAGAAGACGTCCATATTGGGAAAAAGATATAATAAAGATGCTTGGATTAGAAAAAG CACATACCCCTCAAGTTCACAAGAATATCCCTTCAGTGAATGCAAAATTGAAAGTAGTTAAGCATTTGAT AAGAATCAAGCCCTTGAAGTTGCCACAAGGACTTCCAGCAGAGGAGAACATGTCTAACACGTGCCTCAAA AGCACTGGGGAGTTAGTAGTGCAGTGGCATCTGAAACCTGTGGAGCAGAAAGCACATGAGTCC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA **Protein Sequence:** >RC220428 protein sequence Red=Cloning site Green=Tags(s) MAGILRLVVQWPPGRLQTVTKGVESLICTDWIRHKFTRSRIPEKVFQASPEDHEKYGGDPQNPHKLHIVT RIKSTRRRPYWEKDIIKMLGLEKAHTPQVHKNIPSVNAKLKVVKHLIRIKPLKLPQGLPAEENMSNTCLK **STGELVVQWHLKPVEQKAHES** TRTRPLEQKLISEEDLAANDILDYKDDDDKV

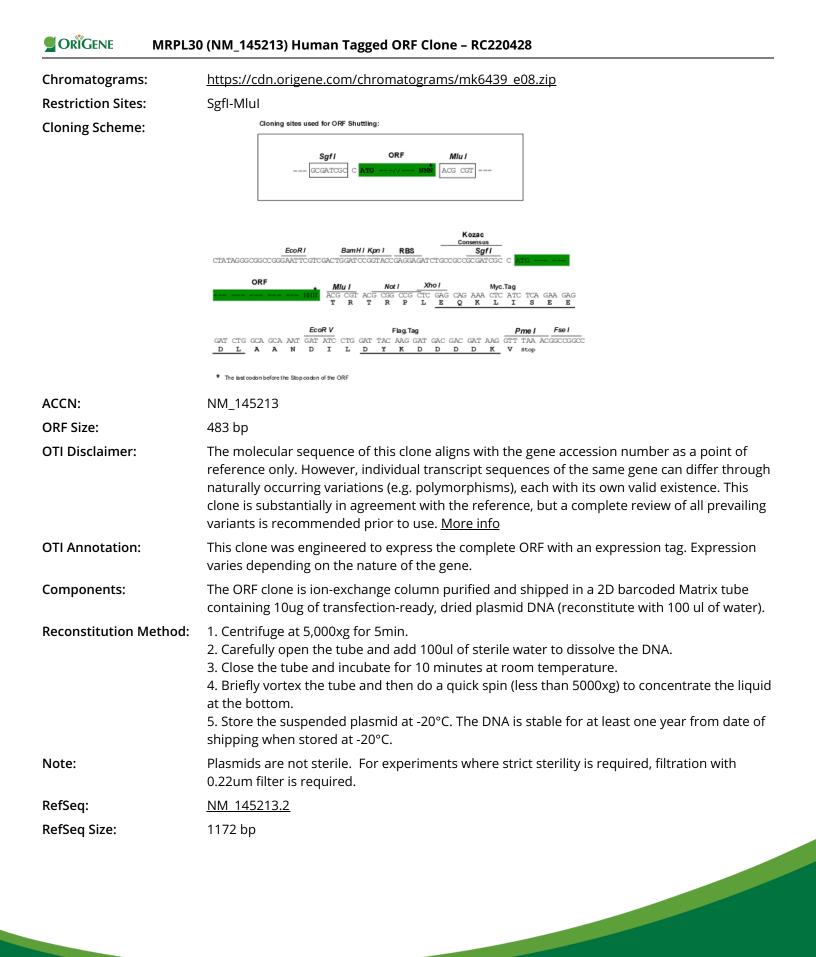


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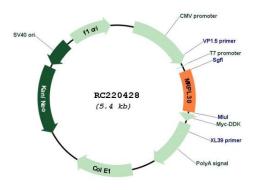
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn



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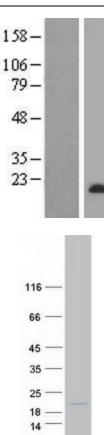
	MRPL30 (NM_145213) Human Tagged ORF Clone – RC220428
RefSeq ORF:	485 bp
Locus ID:	51263
Cytogenetics:	2q11.2
MW:	18.5 kDa
Gene Summary:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 6p and 12p. Read-through transcription also exists between this gene and the neighboring upstream lipoyltransferase 1 (LIPT1) gene. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RC220428

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Western blot validation of overexpression lysate (Cat# [LY407915]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220428 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified MRPL30 protein (Cat# [TP320428]). The protein was produced from HEK293T cells transfected with MRPL30 cDNA clone (Cat# RC220428) using MegaTran 2.0 (Cat# [TT210002]).

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