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Product datasheet for RC240007

NUT (NUTM1) (NM_001284293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUT (NUTM1) (NM_001284293) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUTM1
Synonyms:	C15orf55; FAM22H; NUT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240007 representing NM_001284293 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTCAGCGGTCGAACCAAGATTTAAAGTTAGGTCCCTACCGCAAATTCAGCGCTCTTTCTTATGGTG CATCTGCATTGCCGGGACCGGATATGAGCATGAAACCTAGTGCCGCCCTGTCTCCATCCCCTGCACTTCC CTTTCTCCCACCAACTTCTGACCCACCAGACCACCCACCCAGGGAGCCACCTCCACAGCCCATCATGCCT TCAGTATTCTCTCCAGACAACCCTCTGATGCTCTCTGCTTTCCCCAGCTCACTGTTGGTGACAGGGGACG GGGGCCCTTGCCTCAGTGGGGCTGGGGCTGGCAAGGTCATTGTCAAAGTCAAGACAGAAGGGGGGTCAGC TGAGCCCTCTCAAACTCAGAACTTTATCCTTACTCAGACTGCCCTCAATTCGACTGCCCCGGGCACTCCC TGTGGAGGCCTTGAGGGTCCTGCACCTCCATTTGTGACAGCATCTAATGTGAAGACCATTCTGCCCTCTA AGGCTGTTGGTGTCAGCCAGGAGGGTCCTCCAGGCCTTCCGCCTCAGCCTCCACCACCAGTTGCTCAACT GGTCCCCATTGTGCCCCTGGAAAAAGCTTGGCCAGGGCCACATGGGACAACCGGGGAAGGAGGTCCTGTG GCCACTCTATCCAAGCCTTCCCTAGGTGACCGCTCCAAAATTTCCAAGGACGTTTATGAGAACTTCCGTC AGTGGCAGCGTTACAAAGCCTTGGCCCGGAGGCACCTATCCCAGAGTCCTGACACAGAAGCTCTTTCCTG TTTTCTTATCCCAGTGCTTCGTTCCCTGGCCCGGCTGAAGCCCACTATGACCCTGGAGGAGGGACTGCCA TTGGCTGTGCAGGAGTGGGAGCACACCAGCAACTTTGACCGGATGATCTTTTATGAGATGGCAGAAAGGT TCATGGAGTTTGAGGCTGAGGAGATGCAGATTCAGAACACACAGCTGATGAATGGGTCTCAGGGCCTGTC TCCTGCAACCCCTTTGAAACTTGATCCTCTAGGGCCCCTGGCCTCTGAGGTTTGCCAGCAGCCAGTGTAC ATTCCGAAGAAGGCAGCCTCCAAGACACGGGCCCCCCGCCGGCGTCAGCGTAAAGCCCAGAGACCTCCTG CTCCTGAGGCACCCAAGGAGATCCCACCAGAAGCTGTGAAGGAGTATGTTGACATCATGGAATGGCTGGT GGGGACTCACTTGGCCACTGGGGAGTCAGATGGAAAACAAGAGGAAGAAGGGCAGCAGCAGGAGGAGGAA GGGATGTATCCAGATCCAGGTCTCCTGAGCTACATCAATGAGCTGTGTTCTCAGAAGGTCTTTGTCTCCA AGGTGGAGGCTGTCATTCACCCTCAATTTCTGGCAGATCTGCTGTCCCCAGAAAAACAGAGAGATCCCTT GGCCTTAATTGAGGAGCTAGAGCAAGAAGAAGGACTCACTCTTGCCCAGCTGGTCCAGAAGCGACTCATG GCCTTGGAAGAGGAGGAAGATGCAGAGGCGCCTCCAAGTTTCAGTGGCGCTCAGTTGGACTCAAGTCCTT

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC240007 representing NM_001284293
Red=Cloning site Green=Tags(s)

MFQRSNQDLKLGPYRKFSALSYGASALPGPDMSMKPSAALSPSPALPFLPPTSDPPDHPPREPPPQPIMP
SVFSPDNPLMLSAFPSSLLVTGDGGPCLSGAGAGKVIVKVKTEGGSAEPSQTQNFILTQTALNSTAPGTP
CGGLEGPAPPFVTASNVKTILPSKAVGVSQEGPPGLPPQPPPPVAQLVPIVPLEKAWPGPHGTTGEGGPV
ATLSKPSLGDRSKISKDVYENFRQWQRYKALARRHLSQSPDTEALSCFLIPVLRSLARLKPTMTLEEGLP
LAVQEWEHTSNFDRMIFYEMAERFMEFEAEEMQIQNTQLMNGSQGLSPATPLKLDPLGPLASEVCQQPVY
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GSSGAMWGDDRGTPMAQSYDQNPSPRAAGERDDVCLSPGVWLSSEMDAVGLELPVQIEEVIESFQVEKCV
TEYQEGCQGLGSRGNISLGPGETLVPGDTESSVIPCGGTVAAAALEKRNYCSLPGPLRANSPPLRSKENQ
EQSCETVGHPSDLWAEGCFPLLESGDSTLGSSKETLPPTCQGNLLIMGTEDASSLPEASQEAGSRGNSFS
PLLETIEPVNILDVKDDCGLQLRVSEDTCPLNVHSYDPQGEGRVDPDLSKPKNLAPLQESQESYTTGTPK
ATSSHQGLGSTLPRRGTRNAIVPRETSVSKTHRSADRAKGKEKKKKEAEEEDEELSNFAYLLASKLSLSP
REHPLSPHHASGGQGSQRASHLLPAGAKGPSKLPYPVAKSGKRALAGGPAPTEKTPHSGAQLGVPREKPL
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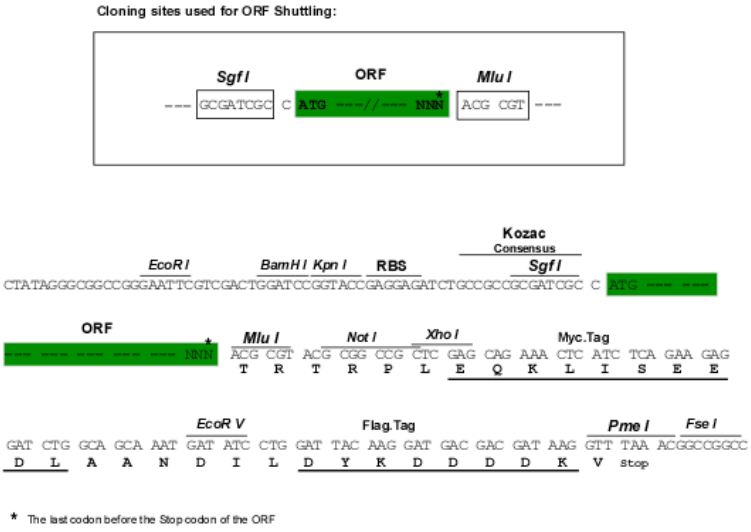
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

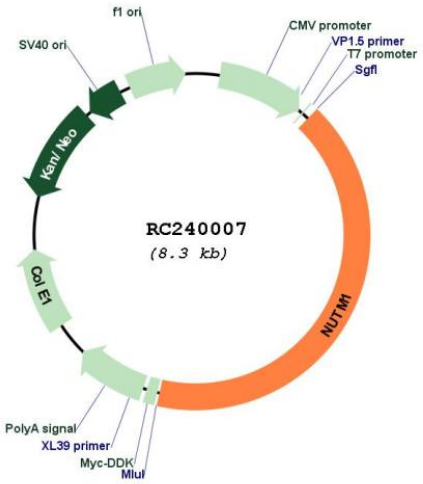
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001284293
ORF Size:	3450 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:	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_001284293.1, NP_001271222.1
RefSeq Size:	4017 bp
RefSeq ORF:	3453 bp
Locus ID:	256646
UniProt ID:	Q86Y26
Cytogenetics:	15q14

MW:	123 kDa
Gene Summary:	Plays a role in the regulation of proliferation. Regulates TERT expression by modulating SP1 binding to TERT promoter binding sites.[UniProtKB/Swiss-Prot Function]