

## Product datasheet for **RG240007**

### **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:	TurboGFP
Symbol:	NUT
Synonyms:	C15orf55; FAM22H; NUT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240007 representing NM_001284293. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCAGCGGTGCGAACCAAGATTTAAAGTTAGGTCCCTACCGCAAATTCAGCGCTCTTTCTTATGGT
GCATCTGCATTGCCGGGACCGGATATGAGCATGAAACCTAGTGCCGCCCTGTCTCCATCCCTGCACTT
CCCTTTCTCCACCAACTTCTGACCCACCAGACCACCCACCCAGGGAGCCACCTCCACAGCCCATCATG
CCTTCAGTATTCTCTCCAGACAACCTCTGATGCTCTCTGCTTTCCCGCTCACTGTTGGTGACAGGG
GACGGGGGCCCTTGCCCTCAGTGGGGCTGGGGCTGGCAAGGTCATTGTCAAAGTCAAGACAGAAGGGGGG
TCAGCTGAGCCCTCAAACCTCAGAACCTTATCCTTACTCAGACTGCCCTCAATTCGACTGCCCCGGGC
ACTCCCTGTGGAGCCTTGAGGGTCTGCACCTCCATTTGTGACAGCATCTAATGTGAAGACCATTCTG
CCCTCTAAGGCTGTTGGTGTGAGCCAGGAGGGTCTCCAGGCCTTCCGCCTCAGCCTCCACCACCAGTT
GCTCAACTGGTCCCCATTGTGCCCTGGAAAAAGCTTGGCCAGGGCCACATGGGACAACCGGGGAAGGA
GGTCTGTGGCCACTCTATCCAAGCCTTCCCTAGGTGACCGCTCCAAAATTTCCAAGGACGTTTATGAG
AACTTCCGTCAGTGGCAGCGTTACAAAGCCTTGGCCCGGAGGCACCTATCCCAGAGTCTGACACAGAA
GCTCTTTCCTGTTTTCTATCCCAGTGCCTCGTCCCTGGCCCGGCTGAAGCCACTATGACCCTGGAG
GAGGGACTGCCATTGGCTGTGCAGGAGTGGGAGCACACCAGCAACTTTGACCGGATGATCTTTTATGAG
ATGGCAGAAAGGTTTCATGGAGTTTGGAGCTGAGGAGATGCAGATTCAGAACACACAGCTGATGAATGGG
TCTCAGGGCCTGTCTCCTGCAACCCCTTTGAAACTTGATCCTCTAGGGCCCTGGCCTCTGAGGTTTGC
CAGCAGCCAGTGTACATTCGAAGAAGGACGCTCCAAGACACGGGCCCCCGCCGGCGTCAAGCTAAA
GCCAGAGACCTCCTGCTCCTGAGGCACCAAGGAGATCCACCAGAAGCTGTGAAGGATATGTTGAC
ATCATGGAATGGCTGGTGGGACTCACTTGGCCACTGGGGAGTCAGATGGAAAACAAGAGGAAGAAGGG
CAGCAGCAGGAGGAGGAAGGATGTATCCAGATCCAGGTCTCCTGAGCTACATCAATGAGCTGTGTTCT
CAGAAGGCTTTGTCTCCAAGGTGGAGGCTGTCATTACCCTCAATTTCTGGCAGATCTGCTGTCCCA
GAAAAACAGAGAGATCCCTTGGCCTTAATTGAGGAGCTAGAGCAAGAAGAAGGACTCACTTGGCCAG
CTGGTCCAGAAGCGACTCATGGCCTTGAAGAGGAGGAAGATGCAGAGGCCCTCAAGTTTCAGTGGC
```



[View online >](#)

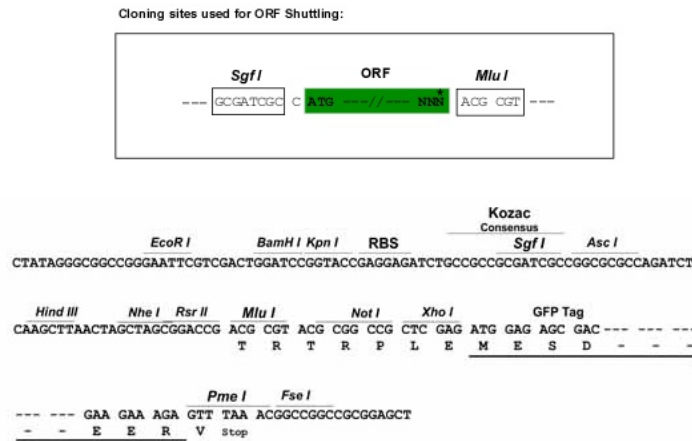
GCTCAGTTGGAAGTCAAGTCTTCTGGTTCTGTTGAGGATGAAGATGGGGATGGGCGGCTTCGGCCCTCA  
CCTGGGCTTCAGGGGGCTGGGGGCGCCGCTTGCCTTGGAAAGGTTTCTTCTTCAGGAAAACGGGCAAGA  
GAAGTGCATGGTGGGAGGAGCAAGCCCTAGATAGCCCCAGAGGGATGCACAGGGATGGGAACACTCTG  
CCATCCCCCAGCAGCTGGGACCTGCAGCCAGAACTTGCAGCTCCACAGGGAACTCCGGGACCTTGGGT  
GTGGAGAGGAGAGGGTCTGGGAAGTTATAAACCCAGGTATCTCTACATCAGGATGGCCATCTAGGAGGC  
GCTGGCCTCCTGGGCACTGCCTGGTGGCTGATAGGACTCAGAGGCTCTGCCCTTGTGGCAGGGA  
GGTTAGAAAAGCAAGTCTGGATTGCAGAAAGGACAACAACAGGGGGTCTGGAGTGCCTCCTCAA  
GGGAAGGAGCCTTAGCAGTGCCCTGGGAAGGCTCTTCAGGAGCCATGTGGGGAGATGACAGAGGTACC  
CCCATGGCTCAGAGTTATGATCAGAATCCTTCCCCTAGAGCAGCTGGGAGAGGGACGATGTCTGTCTC  
AGCCCAGGAGTTGGCTGAGCAGTGAGATGGATGCTGTAGGCTTGGAGCTGCCTGTACAAAATAGAGGAG  
GTCATAGAGAGCTTCAAGTTGAGAAGTGTGTAAGTGTGATCAGGAAGGCTGCCAGGGACTGGGCTCC  
AGGGGCAACATTTCCCTGGTCTGGAGAAACCCTAGTACCTGGGATACGGAGAGCAGTGTGATTCCC  
TGTGGAGGCACAGTTGCGGCAGCTGCCCTAGAAAAGAGAAACTATTGCAGCTTCCAGGACCTTTGAGG  
GCCAACAGCCACCCTTGGGTCCAAGAAAATCAAGAACAGAGCTGTGAAACCGTAGGGCATCCCAGT  
GATCTGTGGGCAGAAGGTTGCTTCCATTGCTAGAAAAGTGGTGTATCCACACTGGGGTCTTCCAAAGAA  
ACCCTTCCACCCACATGCCAAGGCAATCTCCTTATCATGGGGACTGAGGATGCCTCCTCCTTGCCTGAA  
GCCAGTCAAGAGGCAGGGAGCAGAGGCAATTCCTTTCTCCTCTGTTGGAAACCATAGAACCTGTCAAC  
ATACTAGATGTTAAAGATGACTGTGGCCTCCAACCTAAGGGTCAGCGAGGACACCTGCCACTGAATGTT  
CATTCTTATGACCCCAAGGAGAAGGCAGGGTGGATCCTGATCTGTCCAAGCCTAAAAACCTTGCTCCT  
TTACAAGAGAGTCAGGAGTCTTACACAAGTGGGACTCCCAAGCAACATCTTCTCACCAGGGCCTTGGG  
AGCACTTTGCCTAGAAGGGGAACCAGGAATGCCATAGTTCCGAGAGAACTTCTGTTAGTAAAACACAC  
AGGTGAGCAGACAGGGCCAAAGGAAAGGAGAAAAAGAAAAAGGAAGCAGAGGAAGAGGATGAGGAACCT  
TCCAACCTTGTACCTTGGCCTCTAAACTTAGCCTCTCACCAGGGAGCATCCCTCAGTCCCTCAC  
CATGCCTCAGGAGGTGAGGGCAGCCAGAGAGCATCCACCTGCTCCCTGCTGGAGCAAAAGGCCCCAGC  
AACTTCCATATCCTGTTGCCAAGTCTGGGAAGCGAGCTTAGCTGGAGGTCCAGCCCCTACTGAAAAG  
ACACCCCACTCAGGAGCTCAACTTGGGGTCCCCAGGGAGAAACCCTAGCTCTGGGAGTAGTTCGACCC  
TCACAGCCTCGTAAAAGGCGGTGTGACAGTTTTGTACGGGCAGAAGGAAGAAACGACGTCGTAGCCAG  
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG240007  
 Blue=ORF Red=Cloning site Green=Tag(s)

MFQRSNQDLKLGPIYKFSALSYGASALPGDMSMKPSAALSPSPALPFLPPTSDPPDHPPREPPPQIM  
 PSVFSFDNPLMLSAFPSSLLVTGDGGPCLSGAGAGKVIKVKTEGGSAPESQTQNFILTQTALNSTAGP  
 TPCGGLEGPAPPFVTASNKTIILPSKAVGVSQEGPPGLPPQPPPPVAQLVPIVPLEKAWPGPHGTTGEG  
 GPVATLSKPSLGDORSKISKDVYENFRQWRYKALARRHLSQSPDTEALSCFLIPVLRSLARLKPTMTLE  
 EGLPLAVQEWHTSNFDRMIFYEMAERFMEFEAEEMQIQNTQLMNGSQGLSPATPLKLDPLGLASEVC  
 QQPVYIPKKAASKTRAPRRRQRKAQRPPAPEAPKEIPPEAVKEYYDIMEWLVGTHLATGESDGKQEEEG  
 QQQEEEGMYPDPGLLSYINELCSQKVFVSKVEAVIHPQFLADLLSPEKQRDPLALIEELEQEGLTQAQ  
 LVQKRLMALEEEEDAEAPPFSGAQLDSSPSGVEDEDGDGRLRSPGLQGAGGAACLKGVSSSGKRAR  
 EVHGGQEALDSPRGMHRDGNLPSPSWDLQPELAAPQGTGPGPLGVERRGSGKVINQVSLHQDGHGG  
 AGPPGHCLVADRTSEALPLCWGGGFQPESTPSLDAGLAELAPLQGGLEKQVGLQKGGQTTGGRVLPQ  
 GKEPLAVPWESSGAMWGDDRGTPMAQSYDQNPSPRAAGERDDVCLSPGVWLSSEMDAVGLELPVQIEE  
 VIESFQVEKCVTEYQEGCQGLGSRGNIISLGPGETLVPGDTESSVIPCGBTVAANAALKRNYCSLPGPLR  
 ANSPPLRSKENQEQCETVGHPSDLWAEFCPLLESGDSTLGSSKETLPPTCQGNLLIMGTEDASSLPE  
 ASQEAGSRGNSFSPLEETIEPVNILDVKKDCCGLQLRVSEDTCPNLVHSYDPQGGGRVDPDLSPKKNLAP  
 LQESQESYTTGTPKATSSHQGLGSTLPRRGRNAIVPRETSVSKTHRSADRAKGEKKKKEAEEDEEL  
 SNFAYLLASKLSLSPREHPLSPHHSAGGQSQRASHLLPAGAKGPKLPYPVAKSGKRALAGGPAPTEK  
 TPHSGAQLGVPREKPLALGVVVRPQPRKRRCDSFVTGRRKKRRRSQ  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFKSAIHPHSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:

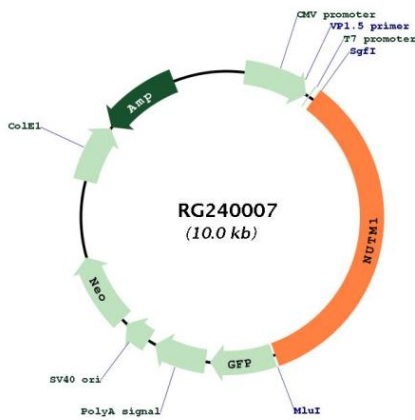


ACCN: NM\_001284293

ORF Size: 3450 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001284293.1</a> , <a href="#">NP_001271222.1</a>
<b>RefSeq Size:</b>	4017 bp
<b>RefSeq ORF:</b>	3453 bp
<b>Locus ID:</b>	256646
<b>UniProt ID:</b>	<a href="#">Q86Y26</a>
<b>Cytogenetics:</b>	15q14
<b>MW:</b>	123 kDa
<b>Gene Summary:</b>	Plays a role in the regulation of proliferation. Regulates TERT expression by modulating SP1 binding to TERT promoter binding sites.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG240007