

Product datasheet for **SC307026**

NUT (NUTM1) (NM_175741) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUT (NUTM1) (NM_175741) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUTM1
Synonyms:	C15orf55; FAM22H; NUT
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_175741, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCAGATGGAGCATCTGCATTGCCGGGACCGGATATGAGCATGAAACCTAGTGCC
GCCCTGTCTCCATCCCCTGCACTTCCCTTTCTCCACCAACTTCTGACCCACCAGACCAC
CCACCCAGGGAGCCACCTCCACAGCCCATCATGCCTTCAGTATTCTCTCCAGACAACCT
CTGATGCTCTGCTTTCCCCAGCTCACTGTTGGTGACAGGGGACGGGGGCCCTTGCCCTC
AGTGGGGCTGGGGCTGGCAAGGTCATTGTCAAAGTCAAGACAGAAGGGGGGTGAGCTGAG
CCCTCTCAAACCTCAGAACTTTATCCTTACTCAGACTGCCCTCAATTGACTGCCCGGGC
ACTCCCTGTGGAGGCCTTGAGGGTCTGCACCTCCATTTGTGACAGCATCTAATGTGAAG
ACCATTCTGCCCTCTAAGGCTGTTGGTGTGAGCCAGGAGGGTCCCTCCAGGCCTTCCGCCT
CAGCCTCCACCACCAGTTGCTCAACTGGTCCCCATTGTGCCCTGGAAAAAGCTTGCCCA
GGGCCACATGGGACAACCGGGGAAGGAGGTCTGTGGCCACTCTATCCAAGCCTTCCCTA
GGTGACCGCTCCAAAATTTCAAGGACGTTTATGAGAACTTCCGTGAGTGGCAGCGTTAC
AAAGCCTTGCCCGGAGGCACCTATCCCAGAGTCTGACACAGAAGCTCTTTCCTGTTTT
CTTATCCCAGTGTTCGTTCCCTGGCCCGGCTGAAGCCCACTATGACCCTGGAGGAGGGA
CTGCCATTGGCTGTGCAGGAGTGGGAGCACACCAGCAACTTTGACCGGATGATCTTTTAT
GAGATGGCAGAAAGGTTTCATGGAGTTTGAGGCTGAGGAGATGCAGATTCAGAACACACAG
CTGATGAATGGGTCTCAGGGCCTGTCTCCTGCAACCCCTTTGAAACTTGATCCTCTAGGG
CCCCTGGCCTCTGAGTTTGCCAGCAGCCAGTGTACATTCCGAAGAAGGCAGCCTCCAAG
ACACGGGCCCCCGCGGCTCAGCGTAAAGCCCAGAGACCTCCTGCTCCTGAGGCACCC
AAGGAGATCCCACCAGAAGCTGTGAAGGAGTATGTTGACATCATGGAATGGCTGGTGGG
ACTCACTTGCCACTGGGAGTCAAGTGGAAAACAAGAGGAAGAAGGCAGCAGCAGGAG
GAGGAAGGGATGTATCCAGATCCAGGTCTCCTGAGCTACATCAATGAGCTGTGTTCTCAG
AAGGTCTTTGTCTCCAAGGTGGAGGCTGTATTACCCTCAATTTCTGGCAGATCTGCTG
TCCCCAGAAAAACAGAGAGATCCCTTGGCCTTAATTGAGGAGCTAGAGCAAGAAGAGGA
CTCACTTTGCCAGCTGGTCCAGAAGCGACTCATGGCCTTGGAAGAGGAGGAAGATGCA
GAGGCGCCTCCAAGTTTCAAGTGGCGCTCAGTTGGAAGTCAAGTCCCTTCTGTTCTGTTGAG
GATGAAGATGGGGATGGGCGGCTTCGGCCCTCACCTGGGCTTCAGGGGGCTGGGGGCC
GCTTGCCCTTGGAAAGGTTTCTTCTTTCAGGAAAACGGGCAAGAGAAGTGCATGGTGGGCG
GAGCAAGCCCTAGATAGCCCCAGAGGATGCACAGGGATGGGAACACTCTGCCATCCCC
AGCAGCTGGGACCTGCAGCCAGAAGTTCAGCTCCACAGGGAAGTCCGGGACCTTGGGT

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GTGGAGAGGAGAGGGTCTGGGAAGGTTATAAACACAGGTATCTCTACATCAGGATGGCCAT
CTAGGAGGCGCTGGGCTCCTGGGCACTGCCTGGTGGCTGATAGGACTTCAGAGGCTCTG
CCCCTTTGTTGGCAGGGAGGCTTCCAGCCTGAGAGCACTCCCAGTTTGGATGCTGGACTT
GCAGAGCTGGCTCCTCTGCAAGGACAAGGGTTAGAAAAGCAAGTCTGGGATTGCAGAAA
GGACAACAACAGGGGGTCTGGAGTGTCTCTCAAGGGAAGGAGCCTTTAGCAGTGCCC
TGGGAAGGCTCTTCAGGAGCCATGTGGGAGATGACAGAGGTACCCCATGGCTCAGAGT
TATGATCAGAATCCTTCCCCTAGAGCAGCTGGGAGAGGGACGATGTCTGTCTCAGCCCA
GGAGTTTGGCTGAGCAGTGAGATGGATGCTGTAGGCTTGGAGCTGCCTGTACAAATAGAG
GAGGTCATAGAGAGCTTCCAAGTTGAGAAGTGTGTAAGTACTGAGTATCAGGAAGGCTGCCAG
GGACTGGGCTCCAGGGGCAACATTTCCCTGGGTCTGGAGAAACCTAGTACCTGGGGAT
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AACTATTGCAGCTTCCAGGACCTTTGAGGGCCAACAGCCACCCTTGAGGTCCAAGAA
AATCAAGAACAGAGCTGTGAAACCGTAGGGCATCCCAGTATCTGTGGGCAGAAGTTGC
TTCCATTGCTAGAAAGTGGTATTCCACTGGGGTCTTCCAAAGAAACCTTCCACCC
ACATGCCAAGGCAATCTCCTTATCATGGGACTGAGGATGCCTCCTCCTTGCCTGAAGCC
AGTCAAGAGGCAGGGAGCAGAGGCAATTCTTTTCTCCTCTGTTGGAAACCATAGAACCT
GTCAACATACTAGATGTTAAAGATGACTGTGGCCTCCAACAAAGGTCAGCGAGGACACC
TGCCCACTGAATGTTCTTATGACCCCAAGGAGAAGGCAGGGTGGATCCTGATCTG
TCCAAGCCTAAAAACCTTGCTCCTTTACAAGAGAGTCAGGAGTCTTACACAACCTGGGACT
CCCAAAGCAACATCTTCTCACCAGGGCCTTGAAGCACTTTGCCTAGAAGGGGAACCAGG
AATGCCATAGTCCGAGAGAACTTCTGTTAGTAAAACACACAGGTCAGCAGACAGGGCC
AAAGGAAAGGAGAAAAAGAAAAAGGAAGCAGAGGAAGAGGATGAGGAACCTCCAACCTT
GCTTACCTTTGGCCTCTAAACTTAGCCTCTACCAAGGGAGCATCCCCCTCAGTCTCAC
CATGCCTCAGGAGTTCAGGGCAGCCAGAGAGCATCCACCTGCTCCCTGCTGGAGCAAAA
GGCCCCAGCAACTTCCATATCCTGTTGCCAAGTCTGGGAAGCGAGCTCTAGCTGGAGGT
CCAGCCCCACTGAAAAGACACCCCACTCAGGAGCTCAACTTGGGGTCCCCAGGGAGAAA
CCCCTAGCTCTGGGAGTAGTTCGACCCTCACAGCCTCGTAAAAGGCGGTGTGACAGTTTT
GTCACGGGCAGAAGGAAGAAACGACGTCGTAGCCAGTAG
    
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Restriction Sites:

Please inquire

ACCN:

NM_175741

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_175741.1, NP_786883.1</u>
RefSeq Size:	3795 bp
RefSeq ORF:	3399 bp
Locus ID:	256646
UniProt ID:	<u>Q86Y26</u>
Cytogenetics:	15q14
Gene Summary:	<p>Plays a role in the regulation of proliferation. Regulates TERT expression by modulating SP1 binding to TERT promoter binding sites.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus than isoform 1.</p>