

Product datasheet for **SC337901**

NUT (NUTM1) (NM_001284293) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUT (NUTM1) (NM_001284293) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUTM1
Synonyms:	C15orf55; FAM22H; NUT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284293, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCAGCGGTCTGAACCAAGATTTAAAGTTAGGTCCCTACCGCAAATTCAGCGCTCTTTCTTATGGTG  
CATCTGCATTGCCGGACCGGATATGAGCATGAAACCTAGTGCCGCCCTGTCTCCATCCCCTGCACTTCC  
CTTTCTCCCACTTCTGACCCACCAGACCACCCACCCAGGGAGCCACCTCCACAGCCCATCATGCCCT  
TCAGTATTCTCTCCAGACAACCTCTGATGCTCTCTGCTTTCCCCAGCTCACTGTTGGTGACAGGGGACG  
GGGGCCCTTGCCCTCAGTGGGGCTGGGGCTGGCAAGGTCATTGTCAAAGTCAAGACAGAAGGGGGTCA  
TGAGCCCTCTCAAACCTCAGAACCTTATCCTTACTCAGACTGCCCTCAATTCGACTGCCCGGGCACTCCC  
TGTGGAGGCTTGAGGGTCTGCACCTCCATTTGTGACAGCATCTAATGTGAAGACCATTCTGCCCTCA  
AGGCTGTTGGTGTGAGCCAGGAGGGTCTCCAGGCCCTCCGCCTCAGCCTCCACCACAGTTGTCAACT  
GGTCCCCATTGTGCCCTGGAAAAGCTTGCCAGGGCCACATGGGACAACCGGGGAAGGAGGTCCTGTG  
GCCACTCTATCCAAGCCTTCCCTAGGTGACCGCTCCAAAATTTCCAAGGACGTTTATGAGAACTCCGTC  
AGTGGCAGCGTTACAAAGCCTTGGCCCGGAGGCACCTATCCCAGAGTCTGACACAGAAGCTCTTTCCTG  
TTTTCTTATCCCAGTGCTTGTTCCTGGCCCGGCTGAAGCCACTATGACCCTGGAGGAGGACTGCCA  
TTGGCTGTGACAGGAGTGGGAGCACACCAGCAACTTTGACCGGATGATCTTTATGAGATGGCAGAAAAGT  
TCATGGAGTTTGAGGCTGAGGAGATGCAGATTCAGAACACACAGCTGATGAATGGTCTCAGGGCCTGTC  
TCCTGCAACCCCTTTGAACTTGATCCTCTAGGGCCCTGGCCTCTGAGGTTTGCCAGCAGCCAGTGTAC  
ATTCGAAGAAGGCAGCCTCCAAGACACGGGCCCCCGCCGCGTCAGCGTAAAGCCAGAGACCTCCTG  
CTCCTGAGGCACCAAGGAGATCCACCAGAAGCTGTGAAGGAGTATGTTGACATCATGGAATGGCTGGT  
GGGGACTCACTTGGCCACTGGGGAGTCAAGTGGAAAACAAGAGGAAGAAGGGCAGCAGCAGGAGGAGAA  
GGGATGTATCCAGATCCAGGTCTCCTGAGCTACATCAATGAGCTGTGTTCTCAGAAGGCTTTGTCTCCA  
AGGTGGAGGCTGTCAATCACCCTCAATTTCTGGCAGATCTGCTGTCCCCAGAAAAACAGAGAGATCCCTT  
GGCCTTAATTGAGGAGCTAGAGCAAGAAGAAGGACTCACTTGGCCAGCTGGTCCAGAAGCGACTCATG  
GCCTTGAAGAGGAGGAAGATGCAGAGGCGCTCCAAGTTTCAGTGGCGCTCAGTTGGACTCAAGTCCTT  
CTGTTTCTGTTGAGGATGAAGATGGGGATGGGGCGCTTCGGCCCTCACCTGGGCTTCAGGGGGCTGGGG
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CGCCGCTTGCCTTGAAAAGGTTTCTTCTTCAGGAAAACGGGCAAGAGAAGTGCATGGTGGCAGGAGCAA
GCCCTAGATAGCCCCAGAGGGATGCACAGGGATGGGAACACTCTGCCATCCCCCAGCAGCTGGGACCTGC
AGCCAGAACTTGCAGCTCCACAGGGAACCCGGGACCCTTGGGTGTGGAGAGGAGAGGGTCTGGGAAGGT
TATAAACAGGTATCTCTACATCAGGATGGCCATCTAGGAGGCGCTGGGCTCCTGGGCACTGCCTGGT
GCTGATAGGACTTCCAGAGCTGCCCCCTTGTGGCAGGAGGCTTCCAGCCTGAGAGCACTCCAGTT
TGGATGCTGGACTTGCAGAGCTGGCTCCTCTGCAAGGACAAGGGTTAGAAAAGCAAGTCTGGGATTGCA
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GGCTCTTCAGGAGCCATGTGGGAGATGACAGAGGTACCCCATGGCTCAGAGTTATGATCAGAATCCTT
CCCCTAGAGCAGCTGGGAGAGGACGATGTCTGTCTCAGCCCAGGAGTTTGGCTGAGCAGTGAGATGGA
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ACTGAGTATCAGGAAGGCTGCCAGGACTGGGCTCCAGGGCAACATTTCCCTGGGTCTGGAGAAAACC
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GAACAGAGCTGTGAAACCGTAGGCATCCCAGTATCTGTGGCAGAAGGTTGCTTCCCATTGCTAGAAA
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GGGACTGAGGATGCCTCCTCTGCCTGAAGCCAGTCAAGAGGCAAGGAGCAGAGGCAATTCCTTTTCT
CCTCTGTTGAAAACCATAGAACCCTGTCAACATACTAGATGTTAAAGATGACTGTGGCCTCCAACCTAAGGG
TCAGCGAGGACACCTGCCCACTGAATGTTCACTTATGACCCCCAAGGAGAAGGAGGAGGTTGGATCCTGA
TCTGTCCAAGCCTAAAAACCTTGCTCCTTTACAAGAGAGTCAGGAGTCTTACACAACCTGGGACTCCCAA
GCAACATCTTCTCACCAGGGCCTTGAAGCACTTTGCCTAGAAGGGGAACCAGGAATGCCATAGTCCGA
GAGAACTTCTGTAGTAAAACACACAGGTCAGCAGACAGGGCCAAGGAAAGGAGAAAAAGAAAAGGA
AGCAGAGGAAGAGGATGAGGAACCTCCAACCTTGTACCTCTTGGCCTCTAACTTAGCCTCTACCA
AGGGAGCATCCCCTCAGTCCCTCACCATGCCTCAGGAGTCAAGGGCAGCCAGAGAGCATCCCACCTGCTCC
CTGCTGGAGCAAAAGGCCCCAGCAAACTTCCATATCCTGTTGCCAAGTCTGGGAAGCGAGCTCTAGCTGG
AGGTCCAGCCCCTACTGAAAAGACACCCCACTCAGGAGCTCAACTGGGGTCCCCAGGGAGAAAACCCTA
GCTCTGGGAGTAGTTCGACCCTCACAGCCTCGTAAAAGCGGTGTGACAGTTTTGTACGGGCAGAAAGGA
AGAAACGACGTCGTAGCCAGTAG
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001284293
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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]
Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.