

Product datasheet for SC331017

PUS3 (NM_001271985) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PUS3 (NM_001271985) Human Untagged Clone
Tag: Tag Free
Symbol: PUS3
Synonyms: 2610020J05Rik; FKSG32; MRT55; NEDMIGS
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331017 representing NM_001271985.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGATTATGCAGCTCAGAAGTATGTTGGCACCCATGATTTAGGAACCTTGTTGTAATGGATGTAGCC
 AACGGTGTGATTAATTTTCAGAGGACTATTCTATCTGCTCAAGTACAGCTAGTGGCCAGAGCCCAGGT
 GAGGGGAGATGGCAAGAACCTTTCCAGTTATGTCAGTTTGAAGTGACTGGCCAGGCATTCCTTTATCAT
 CAAGTCCGATGTATGATGGCTATCCTCTTTCTGATTGGCCAAGGAATGGAGAAGCCAGAGATTATTGAT
 GAGCTGCTGAATATAGAGAAAAATCCCCAAAGCCTCAATATAGTATGGCTGTAGAATTTCTCTAGTC
 TTATATGACTGTAAGTTTGAAAATGTCAAGTGGATCTATGACCAGGAGGCTCAGGAGTTCAATATTACC
 CACCTACAACAACTGTGGGCTAATCATGCTGTCAAACTCACATGTTGTATAGTATGCTACAAGGACTG
 GACACTGTTCCAGTACCCTGTGGAATAGGACCAAGATGGATGGAATGACAGAATGGGGAATGTTAAG
 CCCTCTGTCTATAAGCAGACCAAGTGCCTTTGTAGAAGGAGTGAAGATGCGCACATATAAGCCCCTCATG
 GACCGTCTAAATGCCAAGGACTGGAATCCCGGATCCAGCATTTTGTACGTAGGGGACGAATTGAGCAC
 CCACATTTATTCCATGAGGAAGAAACAAAGCCAAAGGGACTGTAATGACACACTAGAGGAAGAGAAT
 ACTAATTTGGAGACCAACGAAGAGGGTCTGTGTTGACACAGAAATTAAGCATCATTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271985

Insert Size: 822 bp

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).



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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_001271985.1](#)

RefSeq Size: 1438 bp

RefSeq ORF: 822 bp

Locus ID: 83480

UniProt ID: [Q9BZE2](#)

Cytogenetics: 11q24.2

MW: 31.6 kDa

Gene Summary: The protein encoded by this gene catalyzes the formation of tRNA pseudouridine from tRNA uridine at position 39 in the anticodon stem and loop of transfer RNAs. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]

Transcript Variant: This variant (2) lacks an alternate coding exon and uses a downstream start codon compared to variant 1. It encodes isoform 2, which has a shorter N-terminus compared to isoform 1.