

Product datasheet for **SC213654**

PUS7 (NM_019042) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PUS7 (NM_019042) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PUS7
Synonyms:	IDDABS
ACCN:	NM_019042
Insert Size:	1317 bp
Insert Sequence:	>SC213654 3'UTR clone of NM_019042

The sequence shown below is from the reference sequence of NM_019042. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGCAGCTGAATACAACCTGGCTTCGCTGAGCAGTACCTGTCCACAGATTAGAAAACGTACACAAGTG
TTTGCTTCTGGCTCCCTGTGCATTTTGTCTTAGTTCAGACTCATATATGGATTCAAATCTTTGTAA
TAAAAATTATTTGTATTTTAAAGTTTTTATTAGCTTAAAGAAAATAATTTGCAATATTTGTACATGTACA
CAAATCCTGAGGTTCTTAATTTAGCTCAGAATATAAATAGTCAAAATACACTTCAGGTGCTTAAATC
AGAGTAAATGTAGCTTTACAATAATAAAAAAGGACTTTGGTTTAAAGTAGCAGGTTTGGTTTTGC
TACATTCTCAAAAGACAGCAGGAGTATTTGACACATCTGTGATGGAGTATAACAATGCATTTAAGA
GCAAATGCAACAAAACAAATCTGGACTATGGATAAATAATTTGAGAGCTGCCACCCACAAATATAAATA
CAGTACTCATGCTGACTGAAATAATAAGACATCTACAAATTTATAAACAAAAAGTATTGTCATTATCC
TGCTTATGTAAGTACTAGATTAGGCAAGCATTATAGACTTTTTGGTTGCGGTGGCTTTTGCATTTATATTAT
CAATGCCTTGCAGGAACGTTGCATTGATAGGCCATTTTATTTTTTATTTTTTTTTTCGAGACAGGAT
CTCACTCTGTAGCACAGGCTGGATTGCAGTGCAATCCTGCAATCTCAATCTTGCAGCTGCAGCCTCGAC
CTCCCAGGCTCCAGTGACTCTCCCACCTCAGCCTCCTAAGTAGCTGGGAGTACAGGCGCGCACCCAC
GCCTAGCTGATTTTTGTATTTTTTGTAGAGACGGGGTTTGGCCATGTTGCCGAGGCTAACTCCTGGG
ATTACAGGCATGAGCTGTGCTGGCCGGTTTTTTTTTCTTGATGTAAACGTGTACAGCTGTTTTATTAG
TTAAGGTCTAATTTTTACTCTAGGTGCCTTTATGTTCCAGAACTTTCCACTGGACTGGTATTTGCTC
AAAAATAAATAATGGTAGAGAAGAAAATATAAAAAATGGACAAGGCTTTCTTCTATCAGTAGCGTTTAC
CCTTTGTCACCAAGTGGCTTTGGTATTTCCATGTCTGCCATTGCATAAACTTCTCTGGTGTGAAAGGATA
AATATGCCTTTCTAAAGTTGTATATCAAATTTGTATCAATTTTTATTTTCTATGATTTCTAGAAACAAA
TGTAATAAATATTTTTAAATCTCCTTTCTACTGGTTATGTAAATAAATCAAATAAATATATCAAATG
AGTGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_019042.5
Summary:	Pseudouridylate synthase that catalyzes pseudouridylation of RNAs (PubMed:28073919, PubMed:29628141). Acts as a regulator of protein synthesis in embryonic stem cells by mediating pseudouridylation of RNA fragments derived from tRNAs (tRFs): pseudouridylated tRFs inhibit translation by targeting the translation initiation complex (PubMed:29628141). Also catalyzes pseudouridylation of mRNAs: mediates pseudouridylation of mRNAs with the consensus sequence 5'-UGUAG-3' (PubMed:28073919). In addition to mRNAs and tRNAs, binds other types of RNAs, such as snRNAs, Y RNAs and vault RNAs, suggesting that it can catalyze pseudouridylation of many RNA types (PubMed:29628141).[UniProtKB/Swiss-Prot Function]
Locus ID:	54517
MW:	51.5