

Product datasheet for **SC119528**

RPS17 (NM_001021) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS17 (NM_001021) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS17
Synonyms:	DBA4; RPS17L; RPS17L1; RPS17L2; S17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119528 sequence for NM_001021 edited (data generated by NextGen Sequencing) ATGGGCCGCGTTCGCACCAAACCGTGAAGAAGCGGCCCGGTCATCATAGAAAAGTAC TACACGCGCCTGGGCAACGACTTCCACACGAACAAGCGCGTGTGCGAGGAGATCGCCATT ATCCCCAGCAAAAAGCTCCGCAACAAGATAGCAGGTTACGTACGCATCTGATGAAGCGA ATTCAGAGAGGCCAGTAAGAGGTATCTCCATCAAGCTGCAGGAGGAGAGAGAAAAGG AGAGACAATTATGTTCTGAGGTCTCAGCCTTGGATCAGGAGATTATTGAAGTAGATCCT GACACTAAGGAAATGCTGAAGCTTTTGGACTTCGGCAGTCTGTCCAACCTTCAGGTCCT CAGCCTACAGTTGGGATGAATTTCAAACGCCTCGGGACCTGTTTGA Clone variation with respect to NM_001021.3 159 t=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001021 unedited
 TATTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCCAACATGGGC
 CGCGTTTCGCACCAAAACCGTGAAGAAGCGGCCCGGTCATCATAGAAAAGTACTACACGC
 GCCTGGGCAACGACTTCCACACGAACAAGCGGTGTGCGAGGAGATCGCCATTATCCCA
 GCAAAAAGCTCCGCAACAAGATAGCAGGTTACGTACGCATCTGATGAAGCGAATTCAGA
 GAGGCCAGTAAGAGGTATCTCCATCAAGCTGCAGGAGGAGAGAGAAAAGGAGAGACA
 ATTATGTTCTGAGGTCTCAGCCTTGGATCAGGAGATTATTGAAGTAGATCCTGACACTA
 AGGAAATGCTGAAGCTTTTGGACTTCGGCAGTCTGTCCAACCTTCAGGTCACTCAGCCTA
 CAGTTGGGATGAATTTCAAACGCCTCGGGACCTGTTTGAATTTTTTCTGTAGTGCTGT
 ATTATTTTCAATAAATCTGGGACAACAAAAAAAAAAAAAAAAAAAACTCGACTCTAGAT
 TGCGGCCCGGTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTC
 CCCAGTGCCTCTCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAAT
 AAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTATATATTATGGNGTGGAGG
 GGGTGGTATGGAGCAAGGGCANNAGTNGGAAAGACACCTGTAGGGCCTCGGGGTCTAT
 TGGGAACCAGCTGGAGTGCAGTGGCACAATCTGGGCTCACTGNCATCTCCGCCTCTGGN
 GTCAAAGCGATCTCTGCCTCAGCCNTCCCGANTNGNTGGGGATTNCAGGCATGCATGAC
 CCAGCTCAGCTAATTTTTGGTTTTTGGTAGAGACGGNGTTCACATATGGCCAGCTGGTCT
 CACTCTATTAGTGACTACCACTGGCTCAATGCTGGATTCAGCGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001021 unedited
 ACGCCGAGCGCCCAATTTCTCAGGGACGCGNGATGTCTTTTGTCTTCTTTCTTTGTTTT
 CTTGGGTGCGCCACCATTTATTGCAAAATAATACAGCACTACAGCAAAAATTCAAACA
 GGTCCCGAGGCGTTTTTGAATTCATCCCAACTGTAGGCTGAGTGACCTGAAGGTTGGAC
 AGACTGTGCAAGCGCAAAAGCTTCAAGATTTGCTTAGTGGCAGGATCTACTTGAATAATC
 TCTGATCCAAGGGTGACACCTCAGGAACATAATTGACTGTGCTTTGTGTGTGCTACTAC
 TGCAACTTGATGGAGATACCTGTTACTGGGGCTATGTGAATGCCTCCGTGGCGATGCGCG
 CCGCACCCCGCAGCCCTGCCGCGCAGCTTTCGCTGGGGATAATGGCGATCTTCCCATA
 CACACCCTTGCTACAGTGGCAACCTTCGCCCACCCCGTCAGCCACCCTGACATGAAGA
 CCCCAGCCTCCTTTCTCCCCATCCGCAACCAACACACCTCCGCGGCTCCCTGTCCCC
 ATCCCCCGCCCGCGGTCTCTGCACCCCCCACTCCGTCCACCCACCATCCCTCCC
 CCTCCTGCTCGTTCCCCACGCCCCCCCCCCCTTCATCCCCCGCTTTTCTGTCTCTGT
 ATTCCCCATGCACCTCCTTCCCCTCCTTCCCCCCTCTTTCCCCACCCCTTGATCCCCT
 TTATCCACCTCCCCACTACACCCCCCTCCCCGGTTTTCAGCTTATCCATCCTCCTCC
 CCTTTCCCTTCTCCTTCTCACCATCCTCCCCCCCCCTCCCCCTCCCCGTTTTTCCC
 CCACCTCCGACCGCCCTTTCCCCCGCCCTTCCGTTTGCCCCCTATTTTCCCCCCTC
 CCTATCGTCTCCCCTCCTCCTTTTCTTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_001021

Insert Size:

500 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).

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_001021.3](#), [NP_001012.1](#)

RefSeq Size: 511 bp

RefSeq ORF: 408 bp

Locus ID: 6218

UniProt ID: [P08708](#)

Cytogenetics: 15q25.2

Domains: Ribosomal_S17e

Protein Pathways: Ribosome

Gene Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of four RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S17E family of ribosomal proteins and is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia 4. Alternative splicing of this gene results in multiple transcript variants. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Apr 2014]
Transcript Variant: This variant (1) encodes the supported protein.