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Product datasheet for SC105935

RPL28 (BC011582) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL28 (BC011582) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL28
Synonyms:	60S ribosomal protein L28; FLJ43307; ribosomal protein L28
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC011582, the custom clone sequence may differ by one or more nucleotides

ATGTCTGCGCATCTGCAATGGATGGTCGTGCGGAACTGCTCCAGTTTCCTGATCAAGAGGAATAAGCAGA
CCTACAGCACTGAGCCCAATAACTTGAAGGCCCGCAATTCCTTCCGCTACAACGGACTGATTCACCGCAA
GACTGTGGGCGTGGAGCCGGCAGCCGACGGCAAAGGTGTCGTGGTGGTCATTAAGCGGAGATCCGGCCAG
CGGAAGCCTGCCACCTCCTATGTGCGGACCACCATCAACAAGAATGCTCGCGCCACGCTCAGCAGCATCA
GACACATGATCCGCAAGAACAAGTACCGCCCCGACCTGCGCATGGCAGCCATCCGCAGGGCCAGCGCCAT
CCTGCGCAGCCAGAAGCCTGTGATGGTGAAGAGGAAGCGGACCCGCCCCACCAAGAGCTCCTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC011582 unedited

GCCGCGAATTCGGCACCAGCCGCTGCGGAGGGAGCCGCCGCCATGTCTGCGCATCTGCAA
TGGATGGTCGTGCGGAACTGCTCCAGTTTCCTGATCAAGAGGAATAAGCAGACCTACAGC
ACTGAGCCCAATAACTTGAAGGCCCGCAATTCCTTCCGCTACAACGGACTGATTCACCGC
AAGACTGTGGGCGTGGAGCCGGCAGCCGACGGCAAAGGTGTCGTGGTGGTCATTAAGCGG
AGATCCGGCCAGCGGAAGCCTGCCACCTCCTATGTGCGGACCACCATCAACAAGAATGCT
CGCGCCACGCTCAGCAGCATCAGAACACATGATCCGCAAGAACAAGTACCGCCCCGACCT
GCGCATGGCAGCCATCCGCAGGGCCAGCGCCATCCTGCGCAGCCAGAAGCCTGTGATGGT
GAGAGGAAACCCGACCCCCCCCCACCAAGAGCTCCTGAGCCCCCCTGCCCCCGAGCAATAA
AGTCAGCCTGGCTTTCTCNNNNANAAANNNNNNNNNANAAAAAAAAAAAAAANAACCTCGA
CTCTAGATTGCGCCCGGGTCATAGCTGTTCCTGAAAAATCCCGGGGGGCATTCTTGGAAC
CCCTCCCAAGGCCTTTCCTGGCCCTGAAGTTGCCCTCCAGGGCCACCACCCCTTGTCTAA
AAAATTAAGTGCATATTTGCTGAAAGGGGTCTCTAATAGGGGGGGGGGGGGGGGNNA

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3' Read Nucleotide Sequence:

```
>OriGene 3' read for BC011582 unedited
NNNCGGTAAAAGCTAGNAACCGCGGCCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTGAAAAAACCAGCTGACTTTATTGCTCTGGGGGCAGG
GGGCTCAAGAACTCTTGGTGGGGCGGGTCCCCTTCCTCTTCACCATCACAAGCTTTTGGC
TGCCCAAGATGGCGCTGGCCCTGCGGATGGCTGCCATGCCCAAGTCGGGGCGGTACTTGT
TCTTGCGGATCATGTGTCTGAAGCTGCTGAACGTGGCCCCAGCATTCTTGTTGATGGGGG
TCCCCACATAAGAAGTGGCAGGCTTCCCCTGGCCGGATCTCCGCTTAATGACCACCACGA
CACCTTTGCCGTCGGCTGCCGGCTCCACGCCCACAGTCTTGCGGTGAATCAATCCCTTGT
AACCGAAAGAATTGCGGGCCTTCAAGTTATTGGGCTCAATGCTGTAAGTCTGCTTATTCC
TCTTGATCAAGAAACTGGAGCAATTCCCCACGACCATCCATTGCAAATGCCCAAACATGG
GGGCGGCTCCCTCCACAACGGCTGGTGCCCAATTCCCGGCCGCCCTATAGTGAGTCCTAT
TACAAAATTCTGACGGTTCACTAAACGAACTCTGCTTATATAAACCTCCCACCGTACACG
CCTACCGCCCATTTGCGTCAACGGGGGCGGGGTTATTACCACATTTTGGAAAGTCCCGTT
GATTTTGGTGCCCAAACAAACTCCCATTGACGTCAATGGGGGTGGAGACTCTGGAAATCC
CCGTGAGTCAAACCGCTATCCACGCCCATTTGTTGTACTGCCAAAACCGCATCACCATGG
TAATAAGCGATGACTAATACCGTAAATGTACTGCCCAGTATAGAAAGTCCCGGTTAGGTC
ATGTTACTGGGCATAATGGCCAGGCGGGGCCATTTACCGTCATTGGACGTCA
```

Restriction Sites: NotI-NotI

ACCN: BC011582

Insert Size: 600 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: BC011582.1, AAH11582.1

RefSeq Size: 4222 bp

RefSeq ORF: 414 bp

Locus ID: 6158

Cytogenetics: 19q13.42

Domains: Ribosomal_L28e

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 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L28E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2008]