OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC125872

Ribosomal protein S10 (RPS10) (BC030568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ribosomal protein S10 (RPS10) (BC030568) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS10
Synonyms:	RPS10_2_147
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for BC030568 edited AGTAAAGGTTTGAAAAAGGAAAGTTTTATTAGAAAGAAAGAACGTGCCTTTCCAGCCCCC CACCCGGACCCTACAGCCACCGAGATGTTGATGCCTAAGAAGAACTGGATTGCCATTTAT GAACTCCTTTTTAAGGAGGGAGTCATGGTGGCCAAGAAGGATGTCCACATGCCTAAGCAC CCGGAGCTGGCAGACAAGAATGCGCCCAACCTTCGTGTCATGAAGGCCATGCAGTCTCTC AAGTCCCGAGGCTACGTGAAGGAAGTTTGCCTGGAGACATTTCTACTGGTACCTTACCAA TGAGGGTATCCAGTATCTCTGTGATTACCTTCATCTGCCCTCGGAGATTGTGCCTGCCAC CTTACACCGCAGCTGTCCAGAGACTGGCAGGCCTTGGCCTAAAGTCTGGAGGGTGAGCGA CCTGCAAGACTCACAAGAGGGGAAGCCAACAGAGATACCTACAAATGGAATGCTGTGCCC CCTGGTGCCAACAAGAAAGCCGAGGCTGGGGCCGGGTCAGCAACCAAATTCCAGTTCAGA GATGGATTTGGTTGTGGACGTGGTCAGCCACCTCAGTAAAATTGGAGAGGATTATTATGC AATGAATAAACTTACAGTCAAAAAAAAAAAAAAA

View online »

5' Read Nucleotide Sequence:

```
>OriGene 5' read for BC030568 unedited
NNNGGGTTCAGAATTTGTAATACGAACTCACTATAGGGCGGCCGCGAATCCCGGGATATC
GTCGACCCACGCGTCCGCTATACTGTTGTCAGTAAAGGTTTGAAAAAGGAAAGTTTTATT
AGAAAGAAAGAACGTGCCTTTCCAGCCCCCCACCCGGACCCTACAGCCACCGAGATGTTG
ATGCCTAAGAAGAACTGGATTGCCATTTATGAACTCCTTTTTAAGGAGGGAGTCATGGTG
GCCAAGAAGGATGTCCACATGCCTAAGCACCCGGAGCTGGCAGACAAGAATGCGCCCAAC
CTTCGTGTCATGAAGGCCATGCAGTCTCTCAAGTCCCGAGGCTACGTGAAGGAAGTTTGC
CTGGAGACATTTCTACTGGTACCTTACCAATGAGGGTATCCAGTATCTCTGTGATTACCT
TCATCTGCCCTCGGAGATTGTGCCTGCCACCTTACACCGCAGCTGTCCAGAGACTGGCAG
GCCTTGGCCTAAAGTCTGGAGGGTGAGCGACCTGCAAGACTCACAAGAGGGGAAGCCAAC
AGAGATACCTACAAATGGAATGCTGTGCCCCCTGGTGCCAACAAGAAAGCCGAGGCTGGG
GCCGGGTCAGCAACCAAATTCCAGTTCAGAGATGGATTTGGTTGTGGACGTGGTCAGCCA
CCTCAGTAAAATTGGAGAGGATTATTATGCAATGAATAAACTTACAGTCAAAAAAAAAAA
AAAAAGGGCGGCCGCGGTCATAGCTGTTTCCTGAACAGATCCCCGGTGGCATCCCTGTGA
CCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCACCAGCCTTGT
CCTAATAAAATAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATGGTGAGG
GGGGNNGGGGGGGGGGGTTGNNANNNCCA
```

Restriction Sites: NotI-NotI

ACCN: BC030568

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: BC030568.2

RefSeq Size: 635 bp

Locus ID: 6204

Cytogenetics: 6p21.31

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 40S subunit. The protein belongs to the S10E 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. Alternate splicing results in multiple transcript variants that encode the same protein. Naturally occurring read-through transcription occurs between this locus and the neighboring locus NUDT3 (nudix (nucleoside diphosphate linked moiety X)-type motif 3).[provided by RefSeq, Feb 2011]