

OriGene Technologies, Inc.

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Product datasheet for SC126912

Ribosomal Protein S29 (RPS29) (NM_001032) Human Untagged Clone

Product data:

Product Name:Ribosomal Protein S29 (RPS29) (NM_001032) Human Untagged CloneTag:Tag FreeSymbol:Ribosomal Protein S29Synonyms:DBA13; S29; uS14Mammalian Cell Selection:NoneVector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesSt Read NucleotideOrigene 5' read for NM_001032 uneditedSequence:>Origene 5' read for NM_001032 uneditedSequence:Origene 5' read for NM_001032 uneditedSequence:CCCCCATATATGETCCCCCCGGGCATTCCCGGGCATTCCGGGCATATCGGGCATCGGGCTTCTGCCTCTTGCGGGGCATAGGGGCATCCCCCCGGGCATTCCGGGCATTCCGGGCATTCGGGCTTCGCCCCCCGGGATTCCGGGCATTCGGCCCCGGGATTCCGGGCATTCGGGCCTTGGTCGGCCCCCCGGGCATTCCGGGCATTCGGCCTCTGGTCGGGCCCCCCCGGGCATTCCGGGCATTGCGGCCTGGGCCGGGGGGGG	Product Type:	Expression Plasmids
Tag:Tag FreeSymbol:Ribosomal Protein S29Synonyms:DBA13; S29; uS14Mammalian Cell Selection:NoneVector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCED ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesSr Read Nucleotide>OriGene 5' read for NM_001032 unedited NCGGCCCGGGAATTCCGCTGATCCGGGAATTCGGCGCCGCGGCGAGTGTGCGC CCAGGGTTCGGCCCAGGGATTCCGGGGAATTCGGGGCCACCCCCCAGGGTTCCTGCGGCAGTGGGCCAG CCAGGGTCGGCCAGAGGTGGGCCACCCCCCCAGGGTTCCGGCAAATTGG CCAGGGTCGGCCAGAGGTGGGCCCACCCCCCAGGGTCGCCGCGAAATTGG CCAGGGTCGGCCAGAGATGCGGCCACCCCCCAGGGTCGCCGGAAATTGG CCAGGGTCGGCCAGAGATGCGGCCACAGCGGTCGTCGCGCCAGAATTGG CCAGGGTCGGCCAGAGATGCGGCCACAGCGGTCGTCGCCGAAATTGG CCAGGGTCGGCCAGAGATCCGGGGGAATTCCCGGGGGAATTGCGGGGAATTGCGGGGACATTGCGGGGAATTATGGGCCCCAGGGTTCATTAAGT GAACCCAAAAAGGGCGAGGGGGAATCCCGGGGGCATTATTAACCAGTCCAAGCGCCCCGGGGGCATTATTAGCCGGGACATTGCGGGGAATTGCGGGGGGCTTATTAGCCGGAAAGGCGGGGGGGAATTGCGGGGGCATTATTGGACCCCCCGGGGGCATTATAGACCGGACGGGGGGACTCTCAGGGGCCTTCAGTGGGGGGACTCTCGGGAAGTTGCGGGGGGGCATTATTAGACGGCCCGGGGGGAATGCGCCGGCGGGCG	Product Name:	Ribosomal Protein S29 (RPS29) (NM_001032) Human Untagged Clone
Symbol:Ribosomal Protein S29Synonyms:DBA13; S29; uS14Mammalian Cell Selection:NoneVector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesSr Read Nucleotide>OriGene 5' read for NM_001032 unedited NCGGGCCCGGGAAATTCGGCCCACGGGTGGGTGGGCGC CCACGGTTCGCCTTTGCGTGTTCGGTGTTTCGGTAGTGCGCCACGGGCAGGGTGGGT	Tag:	Tag Free
Synonyms:DBA13; S29; uS14Mammalian Cell Selection:NoneVector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesATGGGTCACCAGCAGCTGTACTGGGGCCACCCCGGAAAATTCGGCCAGGGTTCTGGCTCTGTCGTGTCT GTCCAAACCGGCAGGGTTGTGATCCGGAAATATGGGCTCAATATGGCCCAAGGGGTGGGT	Symbol:	Ribosomal Protein S29
Mammalian Cell Selection:NoneVector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAATTCGGCCAGGGTTCTCGCTCTGTCGTGTCT GGACTAACCGGCAAGGGTTCAAACCGGCAAGGGTCTCGGCCCAAGGTGTTCCGCCAGTAGTACGG GAAGGATATCGGTTCATTAAGTGGACTAA5' Read Nucleotide>OriGene 5' read for NM_001032 unedited NCGGGCCCGGGGAAGGTGTGGGCCCACCAGCGGTCGTGGCCCCCAGGGTTCCGGCGGGAAGATGCGCGCGC	Synonyms:	DBA13; S29; uS14
Vector:pCMV6-XL4E. coli Selection:Ampicillin (100 ug/mL)Fully Sequenced ORF:>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotidesATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAATTCGGCCAGGGTTCTCGCTCTTGTCGTGTCT GTTCAAACCGGCCACGGTCTGATCCGGAAATATGGCCCAAATATGGCCCAAGTGTTTCCGTCAGTACGG GAAGGATATCGGTTTCATTAAGTTGGACTAA5' Read Nucleotide Sequence:>0'riGene 5' read for NM_001032 unedited NCGGGCCCGGGAACTGCGGGCAAGATGGGTCACCACCAGCGTGTGCTCGCCCCAGGGTGGCGC CCAAGGGTTCTCGCTCTTTGCGTGATCCGGGAAATATGG CCTCAATATGTGCCGCCCAGGGTCTCGCTCTTGTCGTGTGTCACAACCGGCAGCGGCGGGGGGCGAAATATGG CCCCAGGGTCTCGCCCCAGGGTGTTCCGTCGTTCGTCGTCAGTACCGGCAAATTAGG CCCCCGGGCAAATATGGGGTCCCCCCAGGGCAGCGCGCGC	Mammalian Cell Selection:	None
E. coli Selection: Ampicillin (100 ug/mL) Fully Sequenced ORF: >NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotides ATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAATTCGGCCAGGGTTCTCGCTCTGTCGTGTGTC GTTCAAACCGGCACGGTCTGATCCGGAAATATGGCCCCAAGGGTTCCGCTCGGTCAGTACGC GAAGGATATCGGTTTCATTAAGTTGGACCAA S' Read Nucleotide >OriGene 5' read for NM_001032 unedited NCGGGCCGCGGGAATTCCCGGGGAATCGTCGACCACACGCGTCGGCGCGCAAAATTCGG CCACGGTCCGGCCAGGATTCCCGGGGAATCGTCGACCACACGCGTCGGCCCGCAAAATTCGG Sequence: >OriGene 5' read for NM_001032 unedited NCGGGCCCGGGGAATTCCCGGGGGAATTCCTCGGGCCACGGCTCGACCCGCAAAATTCGG CCACGGCTTCTCGCTCTGTGTGTGTGTGTGTGTGTCGTCACCACGCACG	Vector:	pCMV6-XL4
Fully Sequenced ORF: >NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or nucleotides ATGGGTCACCAGCAGCTGTACTGGAGCCACCCGGCGAAAATTCGGCCAGGGTTCTCGCTCTTGTCGTGTCT GTTCAAACCGGCACGGTCTGATCCGGAAATATGGCCTCAATATGGCCCCACTGTGTCCGCAGTACGC GAAGGATATCGGTTTCATTAAGTTGGACTAA 5' Read Nucleotide >OriGene 5' read for NM_001032 unedited NCGGGCCGCGGGAATTCCCCGGGGAATCGTCGACCCACCAGCGGCGCGGGGTCGC CCACGGTTCTCGTCTTGTCGTGTCTGTACAGCAGCGCACGCTCGACCGCGGAAAATTCGG Sequence: >OriGene 5' read for NM_001032 unedited NCGGGCCGCGGGAAGATGGGTCACCAGCAGCTGTACTGGAGCCACCCCGGAAAATTCGG CCACGCGTTCTGCTCTTGTCGTGTCTCTAACCGGCACGCTGTTCCGGAAATTCGG GCCACAATATGTGCCCCCCGCGTCGGTCCCCCGGCACGCCTGGGTCGC CCACGGCTTCTCGCTCTTGTCGTGTCCTGAAAGCGCGCCTTACTCAATAAGT GAATAGAAAGGTGAAGGGGGGGGGGGGGGCGCGCATATATACCCAAAGCGCCA TAATTGTTTGTATATAAAATAAACATTTGAAAAACCCTTCTGAAAAAAAA	E. coli Selection:	Ampicillin (100 ug/mL)
S' Read Nucleotide Sequence:>OriGene 5' read for NM_001032 unedited NCGGCCCGCGGCAAGTATCCGCGCAAGCGTCGCCCCCCCAGGGTCGCCCCCCCGGGAACTATCGGCCCCCCCGGGAACTCGC CCACGCGTCGGCCAGGCGCGGGCAAGATGGGTCACCAGCAGCGTCGCACCCACAGCGTCGGGCCACCGCGGAAATTCGG 	Fully Sequenced ORF:	>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or more nucleotides
5' Read Nucleotide Sequence:>OriGene 5' read for NM_001032 unedited NCGGCCCGCGGAATTCCCGGGGAATCGTCGACCCACGCGGCGGGGGGGG		ATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAATTCGGCCAGGGTTCTCGCTCTTGTCGTGTCT GTTCAAACCGGCACGGTCTGATCCGGAAATATGGCCTCAATATGTGCCGCCAGTGTTTCCGTCAGTACGC GAAGGATATCGGTTTCATTAAGTTGGACTAA
Restriction Sites: Please inquire	5' Read Nucleotide Sequence:	<pre>>OriGene 5' read for NM_001032 unedited NCGGGCCGCGGAATTCCCGGGGAATCGTCGACCCACAGCGTCCGCGGGAGCGTGGGTCGC CCACGCGTCGGGCAAGATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAATTCGG CCAGGGTTCTCGCTCTTGTCGTGTCTGTTCAAACCGGCACGGTCTGATCCGGAAATATGG CCTCAATATGTGCCGCCAGTGTTTCCGTCAGTACGCGAAGGATATCGGTTTCATTAAGTT GGACTAAATGCTCTTCCTTCAGAGGATTATCCGGGGCATCTACTCAATGAAAAACCATGA TAATTCTTTGTATATAAAATAAA</pre>
	Restriction Sites:	Please inquire



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	libosomal Protein S29 (RPS29) (NM_001032) Human Untagged Clone – SC126912
ACCN:	NM_001032
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 Me	 thod: 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:	<u>NM 001032.3, NP 001023.1</u>
RefSeq Size:	302 bp
RefSeq ORF:	171 bp
Locus ID:	6235
UniProt ID:	<u>P62273</u>
Cytogenetics:	14q21.3
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 and a member of the S14P family of ribosomal proteins. The protein, which contains a C2-C2 zinc finger-like domain that can bind to zinc, can enhance the tumor suppressor activity of Ras-related protein 1A (KREV1). 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Mar 2013]

Transcript Variant: This variant (1) is the predominant transcript and encodes isoform 1.

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