

Product datasheet for **SC126912**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	Ribosomal Protein S29 (RPS29) (NM_001032) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS29
Synonyms:	DBA13; S29; uS14
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001032, the custom clone sequence may differ by one or more nucleotides

[ATGGGTCACCAGCAGCTGTACTGGAGCCACCCGCGAAAAATTCGGCCAGGGTTCTCGCTCTTGTCTGTCTCT
GTTCAAACCGGCACGGTCTGATCCGAAATATGGCCTCAATATGTGCCAGTGTTCGCTCAGTACGC
GAAGGATATCGGTTTCATTAAGTTGGACTAA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001032 unedited
NCGGGCCGCGGAATTCGCGGGAATCGTCGACCCACAGCGTCCGCGGGAGCGTGGGTCGC
CCACGCGTCGGGCAAGATGGGTACCAGCAGCTGTACTGGAGCCACCCGCGAAAAATTCGG
CCAGGGTTCTCGCTCTTGTCTGTCTGTTCAAACCGGCACGGTCTGATCCGAAATATGG
CCTCAATATGTGCCGCCAGTGTTCGTCAGTACGCGAAGGATATCGGTTTCATTAAGTT
GGACTAAATGCTCTTCTTCAGAGGATTATCCGGGCATCTACTCAATGAAAAACCATGA
TAATTCCTTGTATATAAAATAAACATTTGAAAAACCTTCTGAAAAGAAAAAAGCGA
AAATAGAAGGTGAAGGGGAGGGGAGACGGGAGGGGCATATATAACACAAAGCGCGATT
GACACCCAAAAAAGAGGGCGCCGCGCATAGCTGTTTCTGAACAGATCCCGGGGGGG
ATCCCCGGGGACCCCCCAAGGGCCCTTCCGGGCCCTGGGAAGTGCCACTTCCAGGCC
GACAGCTGGGGCAAATAAAACAAAGTGCACCCTTTTTGGCGGATAAGGGGACCTTCTAA
ATATAAGGGGGGGGGGGGGGGCGTTCGTATTGGCAACCGCGATGAAGACAGACGGGT
GGCCGCGGGGGTACTAGCAAGAACAGGGGTGTTGGGGTGTTCGTTAGGCCACCGA
GCATTTCCCTCCCCTTGTTCGACAGTACCCCGCGCGCGGTTGTAGAGTAAAGGG
GATTCACGCAGGGCCACACCGGGTACAACGAATTTACCGTTTGTCCGGGAGATAATAAGA
GTACTGAGAGAGTAGGGCGTGGGGGGGAATGGCTTAAAGC

Restriction Sites:	Please inquire
ACCN:	NM_001032



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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:	<ol style="list-style-type: none">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</u> , <u>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:	<p>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]</p> <p>Transcript Variant: This variant (1) is the predominant transcript and encodes isoform 1.</p>