

Product datasheet for **SC107516**

RPS3A (NM_182777) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS3A (NM_182777) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS3A
Synonyms:	40S ribosomal protein S3a; FTE1; FTE1, MFTL; MFTL; MGC23240; ribosomal protein S3a; v-fos transformation effector protein 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182777, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTTGGCAAGAACAAGCGCTTACGAAAGCGCGCAAAAAGGGAGCCAAGAAGAAAGTGGTTGATC
CATTTTCTAAGAAAGATTGGTATGATGTGAAAGCACCTGCTATGTTCAATATAAGAAATATTGGAAAGAC
GCTCGTCACCAGGACCCAAGGAACCAAAATTGCATCTGATGGTCTCAAGGTCGTGTGTTTGAAGTGAGT
CTTGCTGATTTGCAGAATGATGAAGTTGCATTTAGAAAATTCAAGCTGATTACTGAAGATGTTTCAGGGTA
AAAAGTGCCTGACTAACTCCATGGCATGGATCTTACCCGTGACAAAATGTGTTCCATGGTCAAAAAATG
GCAGACAATGATTGAAGCTCACGTTGATGTCAAGACTACCGATGGTTACTTGCTTCGTCTGTTCTGTGTT
GGTTTTACTAAAAACGCAACAATCAGATACGGAAGACCTTTATGCTCAGCACCAACAGGTCGCCCAA
TCCGGAAGAAGATGATGAAAATCATGACCCGAGAGGTGCAGACAAATGACTTGAAAGAAGTGGTCAATAA
ATTGATCCAGACAGCATTGAAAAGACATAGAAAAGGCTTGCCAATCTATTTATCCTCTCCATGATGTC
TTCGTTAGAAAAGTAAAAATGCTGAAGAAGCCCAAGTTTGAATTGGGAAAGCTCATGGAGCTTCATGGTG
AAGGCAGTAGTTCTGAAAAGCCACTGGGGACGAGACAGGTGCTAAAGTTGAACGAGCTGATGGATATGA
ACCACAGTCCAAGAATCTGTTTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182777 unedited CAGAATTTTGTAAACGAACTCACTATAGGGCGGCCGCGATTTCGGCACGAGCTGACCAGC ACCATGGCGGTTGGCAAGAACAGCGCCTTACGAAAGGCGGCAAAAAGGGAGCCAAGAAG AAAGTGGTTGATCCATTTTCTAAGAAAGATTGGTATGATGTGAAAGCACCTGCTATGTTT AATATAAGAAATATTGGAAGACGCTCGTCACCAGGACCCAAGGAACAAAATTGCATCT GATGGTCTCAAGGGTCGTGTGTTTGAAGTGAGTCTTGCTGATTTGCAGAATGATGAAGTT GCATTTAGAAAAATCAAGCTGATTACTGAAGATGTTTCAGGGTAAAAACTGCCTGACTAAC TTCCATGGCATGGATCTTACCCGTGACAAAATGTGTTCCATGGTCAAAAATGGCAGACA ATGATTGAAGCTCACGTTGATGTCAAGACTACCGATGGTTACTTCTGCTCTGTTCTGT GTTGGTTTTACTAAAAACGCAACAATCAGATACGGAAGACCTCTTATGCTCAGCACAA CAGGTCCGCCAAATCCGGAAGAAGATGATGAAATCATGACCCGAGAGGTGCAGACAAAT GACTTGAAAGAAGTGGTCAATAAATTGATTCCAGACAGCATTGAAAAGACATAGAAAAG GCTTGCCAATCTATTTATCCTCTCCATGATGTCTTCGTTAGAAAAGTAAAAATGCTGAAG AAGCCCAAGTTTGAATTGGGAAAGCTCATGGAGCTTCATGGTGAAGGCAGTAGTTCTGGA AAAGCCACTGNGGACGAGACAGGTGCTAAAGTTGAACGAGCTGATGGATATGAACCACCA GTCCAAGAAATCTGTTTAAAGNTCAGACTTCANATAGTGGCANATAAAAGTGCTANTTGT GAAAAAAAAAAAAAAAAAACTCACTCTGATGCGGNCGGTCATAGCTGTTCTGACGAAAC CGGNTGGCATCCTGGACCCTCCCAGGCTTCT
Restriction Sites:	NotI-NotI
ACCN:	NM_182777
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_182777.2, NP_877578.1</u>
RefSeq Size:	950 bp
RefSeq ORF:	795 bp
Locus ID:	6189
Cytogenetics:	4q31.3
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. The protein belongs to the S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]