

Product datasheet for SC115379

RPL13A (NM_012423) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL13A (NM_012423) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL13A
Synonyms:	L13A; TSTA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_012423 edited ATGGCGGAGGTGCAGGTCCTGGTGCTTGGTTCGAGGCCATCTCCTGGGCCCGCTGGCG GCCATCGTGGCTAAACAGGTACTGCTGGGCCGGAAGGTGGTGGTGTACGCTGTGAAGGC ATCAACATTTCTGGCAATTTCTACAGAAACAAGTTGAAGTACCTGGCTTTCCTCCGCAAG CGGATGAACACCAACCCTTCCCGAGGCCCTACCACTTCCGGGCCCCAGCCGCATCTTC TGGCGGACCGTGCAGGTATGCTGCCCCACAAAACCAAGCGAGGCCAGGCCGCTCTGGAC CGTCTCAAGGTGTTTGACGGCATCCCACCGCCCTACGACAAGAAAAAGCGGATGGTGGTT CCTGCTGCCCTCAAGGTCGTGCGTCTGAAGCCTACAAGAAAGTTGCCTATCTGGGGCGC CTGGCTCACGAGGTTGGCTGGAAGTACCAGGCAGTGACAGCCACCCTGGAGGAGAAGAGG AAAGAGAAAGCCAAGATCCACTACCGGAAGAAGAAACAGCTCATGAGGCTACGGAACAG GCCGAGAAGAACGTGGAGAAGAAAATTGACAAATACACAGAGGTCCTCAAGACCCACGGA CTCCTGGTCTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012423 unedited AGGTCCTGGTGCTTGGTTCGAGGCCATCTCCTGGGCCGCTGGCGGCCATCGTGGCTA AACAGGTACTGCTGGGCCGGAAGGTGGTGGTGTACGCTGTGAAGGCATCAACATTTCTG GCAATTTCTACAGAAACAAGTTGAAGTACCTGGCTTTCCTCCGCAAGCGGATGAACACCA ACCCTTCCCGAGGCCCTACCACTTCCGGGCCCCAGCCGCATCTTCTGGCGGACCGTGC GAGGTATGCTGCCCCACAAAACCAAGCGAGGCCAGGCCGCTCTGGACCGTCTCAAGGTGT TTGACGGCATCCCACCGCCCTACGACAAGAAAAAGCGGATGGTGGTTCTGCTGCCCTCA AGGTGCTGCGTCTGAAGCCTACAAGAAAGTTTGCCTATCTGGGGCGCCTGGCTCACGAGG TTGGCTGGAAGTACCAGGCAGTGACAGCCACCCTGGAGGAGAAGAGGAAAGAGAAAGCCA AGATCCACTACCGGAAGAAGAAACAGCTCATGAGGCTACGAAACAGGCCGAGAAGAACG TGGAGAAGAAAATTGACAAATACACAGAGGTCCTCAAGACCCACGGACTCCTGGTCTGAG CCCAATAAAGACTGTTAATTCCTNNNNNNNNNNNNNNNNNN



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012423 unedited AGGAGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCAGGAAACAGCTA TGACCCGCGCCGCAATCTAGAGNCGAGNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTAAGGAAATAACAGTTTTTATTGGGCTCAAACCAAGAGTCCGGGGGTC TTGAGGACCTCTGGGTATTTGGCAATTTTTTTTTCCACGTTTTTTTCGGCCTGTTCCGT AACCTCATGAGCTGTTTCTTTTTCCGGGAGGGGATCTTGGCTTTCTTTCTCTCTCC TCCAGGGGGCTGGCACTGCCTGGTACTTCCAGCCAACCTTGAGCCAGGCGCCCAAA TAGGCAAACCTTTCTGTAGGCTTCAAACGCACGACCTTGAGGGCAGCAGGAACCACATC CGTTTTTCTTGTCTAGGGCGGTGGGATGCCGTCAAACACCTTGAGACGGTCCAGAGCG GCCTGGCCTTGCTGGTTTTGTGGGCAACATACCTTGACGGTCCGCCAAAAATGCGG CTGGGGGCCCCGAAGTGTANGGGCTNGGAAGTTTTGGTGCATCCCCTGGCGGAGAAA GCCCGTACCTTAAGTGTGTTTTGAAAAATGCCAAATTGTGGATGCTTACAGGGACGACC CACCTTCGGCCCAGATTACCTGTTCCCCCAATGGCGCCAGGGGGCCAGAAAAAGCTTT TACATAAACACCAGACCTGGCCTCGCCATTTTTCTTTGGCCAATTTGCGGCCCTCTAT TGGAGTCTTTCACATATTTGGGGCAATTAACAGCCCTGGTATTTACCCTCCCGACC CCCTCACCCCTTTTCGCCCGGGGGGGTTCTAATATTTTCGACGCCCTCGCTTTTGCC CACCACCTCCCTCCCCGGGGGGGCCATTCAACTCCCGGCCACCCCTTCCCCCTTG TGGCAAACCTTTTCGGTCAAGGATCAAATTTTTTCCCCCAAACCCGTTCTCTCTCC T
Restriction Sites:	NotI-NotI
ACCN:	NM_012423
Insert Size:	700 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).
OTI Annotation:	The ORF of this clone is found to be a perfect match to NM_012423.2.
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_012423.2</u> , <u>NP_036555.1</u>
RefSeq Size:	1142 bp
RefSeq ORF:	612 bp
Locus ID:	23521
UniProt ID:	<u>P40429</u>

Cytogenetics:	19q13.33
Domains:	Ribosomal_L13
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 member of the L13P family of ribosomal proteins that is a component of the 60S subunit. The encoded protein also plays a role in the repression of inflammatory genes as a component of the IFN-gamma-activated inhibitor of translation (GAIT) complex. This gene is co-transcribed with the small nucleolar RNA genes U32, U33, U34, and U35, which are located in the second, fourth, fifth, and sixth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>