

## Product datasheet for **SC319710**

### RSU1 (NM\_012425) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RSU1 (NM_012425) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSU1
Synonyms:	RSP-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC319710 sequence for NM_012425 edited (data generated by NextGen Sequencing)

```
ATGTCCAAGTCTCTGAAGAAGTTGGTGGAGGAGAGCCGGGAGAAGAACCAGCCCGAGGTGGACATGAGTG
ACCGGGGCATCTCCAACATGCTGGATGTCAACGGCCTCTTTACCTTATCCCATATCACACAACCTGGTCTT
CAGCCATAACAAGCTAACAATGGTGCCACCGAACATCGCAGAAGTGAAGAATTTGGAGGTGCTCAACTTT
TTTAATAACCAAATCGAGGAGCTGCCACACAGATCAGTAGCCTCAGAACTCAAACACCTGAACCTTG
GCATGAACAGGCTGAACACTTTGCCACGAGGCTTCGGCTCCCTGCCAGCTCTTGAGGTTCTGGACTTGAC
GTACAACAACCTTGAGCGAAAATTCTCTTCTGGAACTTCTTCTACCTGACCACCCTGCGTGCACCTAT
CTAAGTGACAACGATTTTGAATCCTGCCGCCAGATATTGGGAAGCTCACAAAGTTGCAGATACTCAGCC
TTAGGGATAACGACCTGATCTCGCTGCCTAAGGAAATCGGGGAGCTTACCCAGCTTAAAGAGCTCCACAT
TCAGGGGAACCGCTCACCGTTCTGCCCCAGAACTAGGAACTTGGATTTAACTGGCCAGAAGCAGGTA
TTCAAAGCAGAGAACAATCCCTGGGTGACCCCCATTGCAGACCAGTTCAGCTTGGCGTGTCCCATGTTT
TTGAGTATATCCGTTCTGAGACATACAAATACCTCTACGGCAGACACATGCAGGCCAACCCAGAACCACC
GAAGAAGAATAATGACAAATCGAAAAAGATCAGCCGGAACCCCTGGCAGCCAAGAACAGATAA
```

Clone variation with respect to NM\_012425.3

Restriction Sites:	Please inquire
ACCN:	NM_012425
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).



[View online »](#)

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012425.3</a> , <a href="#">NP_036557.1</a>
<b>RefSeq Size:</b>	3769 bp
<b>RefSeq ORF:</b>	834 bp
<b>Locus ID:</b>	6251
<b>UniProt ID:</b>	<a href="#">Q15404</a>
<b>Cytogenetics:</b>	10p13
<b>Domains:</b>	LRR, LRR_TYP, LRR_PS
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a protein that is involved in the Ras signal transduction pathway, growth inhibition, and nerve-growth factor induced differentiation processes, as determined in mouse and human cell line studies. In mouse, the encoded protein was initially isolated based on its ability to inhibit v-Ras transformation. Multiple alternatively spliced transcript variants for this gene have been reported; one of these variants was found only in glioma tumors. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>