

Product datasheet for SC310615

RSU1 (NM_152724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSU1 (NM_152724) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSU1
Synonyms:	RSP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310615 representing NM_152724. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGTGCCACCGAACATCGCAGAACTGAAGAATTTGGAGGTGCTCAACTTTTTTAATAACCAAATCGAG
 GAGCTGCCACACAGATCAGTAGCCTTCAGAACTCAAACACCTGAACCTTGGCATGAACAGGCTGAAC
 ACTTTGCCACGAGGCTTCGGCTCCCTGCCAGCTCTTGAGGTTCTGGACTTGACGTACAACAACTTGAGC
 GAAAATTTCTTCTCTGAAACTTCTTCTACCTGACCACCCTGCGTGCACTCTATCTAAGTGACAACGAT
 TTTGAAATCCTGCCGCCAGATATTGGGAAGCTCACAAGTTGCAGATACTCAGCCTTAGGGATAACGAC
 CTGATCTCGCTGCCTAAGGAAATCGGGGAGCTTACCCAGCTTAAAGAGCTCCACATTCAGGGGAACCGC
 CTCACCGTTCTGCCCCGAGAACTAGGAACTTGGATTTAACTGGCCAGAAGCAGGTATTCAAGCAGAG
 AACAAATCCCTGGGTGACCCCATTCAGACCAAGTTCAGCTTGGCGTGTCCCATGTTTTTGTATATC
 CGTTCTGAGACATACAAATACCTCTACGGCAGACATGCAGGCCAACCCAGAACCCGAAGAAGAAAT
 AATGACAAATCGAAAAGATCAGCCGGAACCCCTGGCAGCCAAGAACAGATAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_152724
Insert Size:	675 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).


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OTI Annotation:	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
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:	NM_152724.2
RefSeq Size:	3657 bp
RefSeq ORF:	675 bp
Locus ID:	6251
UniProt ID:	Q15404
Cytogenetics:	10p13
Protein Families:	Druggable Genome
MW:	25.5 kDa
Gene Summary:	<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 (2) lacks an alternate in-frame segment in the 5' UTR and 5' coding region and uses a downstream start codon, compared to variant 1. It encodes isoform 2 which has a shorter N-terminus, compared to isoform 1. This transcript is supported by multiple ESTs, but the predicted ORF has not yet been experimentally confirmed.</p>