

Product datasheet for **RC203334**

RSU1 (NM_012425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSU1 (NM_012425) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RSU1
Synonyms:	RSP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC203334 representing NM_012425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCAAGTCTCTGAAGAAGTTGGTGGAGGAGAGCCGGGAGAAGAACCAGCCCGAGGTGGACATGAGTG
ACCGGGGCATCTCCAACATGCTGGATGTCAACGGCCTCTTTACCTTATCCCATATCACACAACTGGTCCT
CAGCCATAACAAGCTAACAATGGTGCCACCGAACATCGCAGAAGTGAAGAATTTGGAGGTGCTCAACTTT
TTTAATAACCAAATCGAGGAGCTGCCACACAGATCAGTAGCCTTCAGAACTCAAACACCTGAACCTTG
GCATGAACAGGCTGAACACTTTGCCACGAGGCTTCGGCTCCCTGCCAGCTCTTGAGGTTCTGGACTTGAC
GTACAACAACTTGAGCGAAAATTCTTCTTCTGAAACTTCTTCTACCTGACCACCCTGCGTGCACCTAT
CTAAGTGACAACGATTTTGAAATCCTGCCGCGAGATATTGGGAAGCTCACAAAGTTGCAGATACTCAGCC
TTAGGGATAACGACCTGATCTCGCTGCCTAAGGAAATCGGGGAGCTTACCAGCTTAAAGAGCTCCACAT
TCAGGGGAACCGCTCACCGTTCTGCCCCAGAAGTGGAACTTGGATTTAACTGGCCAGAAGCAGGTA
TTCAAAGCAGAGAACAATCCCTGGGTGACCCCATTCAGACAGTTCAGCTTGGCGTGTCCCATGTTT
TTGAGTATATCCGTTCTGAGACATACAAATACCTCTACGGCAGACACATGCAGGCCAACCCAGAACCACC
GAAGAAGAATAATGACAAATCGAAAAGATCAGCCGGAACCCCTGGCAGCCAAGAACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203334 representing NM_012425
Red=Cloning site Green=Tags(s)

MSKSLKKLVEESREKNQPEVDMSDRGISNMLDVNGLFTLSHITQLVL SHNKL TMVPPNIAELKNLEVLNF
 FNNQIEELPTQISSLQKLKHLNLMNRLNTPRGFGSLPALEVLDLTYNLSENLSLPGNFFYL TTLRALY
 LSDNDFEILPPDIGLTKLQILSLRDNDLISLPKEIGELTQLKELHIQGNRLTVLPPELGNLDTGQKQV
 FKAENNPWVTPADQFQLGVSHVFEYIRSETYKYL YGRHMQANPEPPKKNNDKSKKISRKPLAAKNR

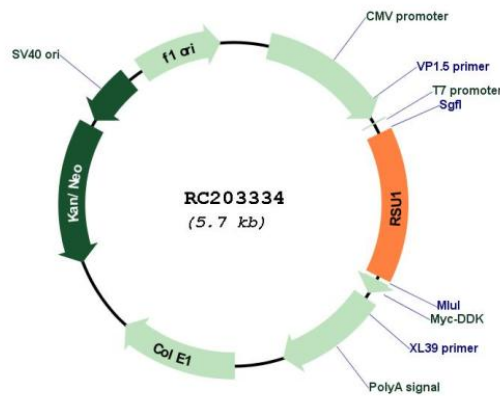
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012425
ORF Size: 831 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_012425.4
RefSeq Size:	3769 bp
RefSeq ORF:	834 bp
Locus ID:	6251
UniProt ID:	Q15404
Cytogenetics:	10p13
Domains:	LRR, LRR_TYP, LRR_PS
Protein Families:	Druggable Genome
MW:	31.4 kDa
Gene Summary:	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]