

Product datasheet for RC211281

TRIML2 (NM_173553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIML2 (NM_173553) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIML2
Synonyms:	SPRYD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211281 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGTGGGATACAAGAGGCTGCTGAGAATTACAGGAAGTTATTCCAGGAAATATTGAACACATCGA
GGGAGAACTTGAAGCAGCTAAAAGCATATTGACTGATGAGCAAGAAAGAATGGCGATGATTCAGGAAGA
GGAACAAAATTTAAAAAGATGATTGAGTCTGAGTATAGTATGAGACTCCGGTTGTTGAATGAAGAGTGT
GAGCAGAATCTCCAGAGACAGCAGGAATGCATATCTGACTTGAACCTGAGAGAAACCTTCTGAATCAAG
CGATCAAGCTTGCCACCGAGCTAGAGGAGATGTTCCAGGAAATGCTACAGAGACTGGGCCGTGTGGGGAG
AGAGAACATGGAGAACTGAAGGAGAGTGAAGCCAGGGCTTCTGAACAGGTCCGCAGCCTCTAAAGCTC
ATCGTGGAGCTTGAGAAAAAGTGTGGGAAGGCACCTTGGCATTGCTCAAGAATGCAAAATACTCTTTAG
AAAGGAGCAAGTCACTGCTGCTTGGACATCTGGAGCCCGCTCATATCACAGACCTGAGTTTATGCCACAT
AAGAGGACTCAGCAGCATGTTCCAGACTCTCCAGAGACATTTAACATTGGATCCTGAAACAGCTCATCCC
TGCCTGGCACTATCTGAGGACCTGAGAACTATGAGATTGAGACATGGGCAGCAGGATGGGGCTGGCAACC
CAGAAAGATTGGATTTCAAGTCCATGGTGTGGTGGCTGCGGAGAGCTTACCTCAGGAGGCACTACTGGGA
GGTGGACGTGGAAAAGGCAACCAGGTGGCAAGTGGGCATATACCAGGCTCTGCAGACCGAAGGGCAGC
ACGGCCAGAGCTTCCGGAGAGAAAGTCTTGCTCACGGGGTCCGGTATGGGGACCGAGTGGACTCTCTGGG
TCTTCCCCCTCTGAAAAGGCTCTTCTGGAAAAGAAAGTTGGACACAGTTGGGGTTTTCTTCTGACTGCGA
ACACGGGCAGATATCATTCTACAATGTGACTGAGATGTCCCTCATTTACAATTTCTCCATTGCGCCTTC
CAAGGAGCTCTCAGGCTGTGTTTTCCCTCTGTATCCCAATGGAGACACAAGTCCAGACTCCCTCACCA
TCTTACAACATGGTCCTTCTTGTGATGCTACTGTTAGCCCT

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211281 protein sequence
Red=Cloning site Green=Tags(s)

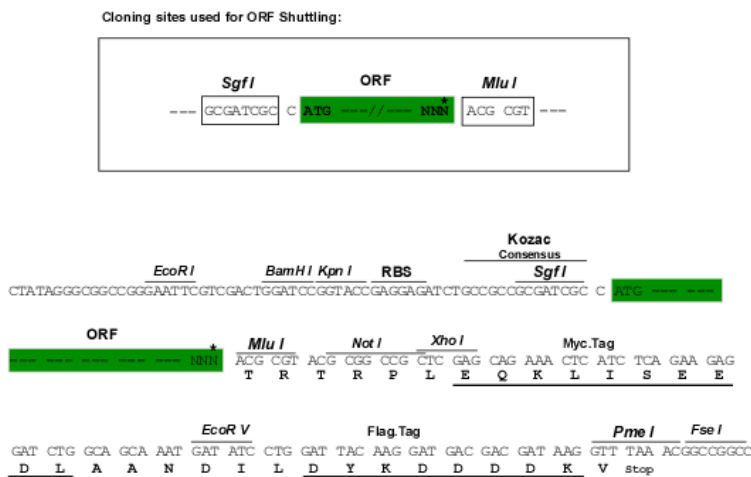
MVCGIQEAAENYRKL FQEILNLSREKLEAAKSILTDEQERMAMIQEEEQNFKKMIESEYSMRLRLNNEEC
EQNLQRQQECISDLNLRRETLNQAIKLATELEEMFQEMLQRLGRVGRNMEKLESEARASEQVRSLLKL
IVELEKKCGEGLALLKNAKYSLERSKSLLEHLEPAHITDLSLCHIRGLSSMFRVLQRHLTDPETAHP
CLALSIEDLRMRLRHGQQDGAGNPERLDFSAMVLAESFTSGRHYWEVDVEKATRWQVGIYHGSADAKGS
TARASGEKVLLTGSVMGTWTLWVFPPLKRLFLEKKLDTVGVFLDCEHGQISFYNVTEMSLIYNFSHCAF
QGALRPVFSLCIPNGDTPDLSLTILQHGPSCDATVSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6590_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_173553

ORF Size: 1161 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:

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_173553.1](#), [NP_775824.1](#)

RefSeq Size: 1300 bp

RefSeq ORF: 1314 bp

Locus ID: 205860

UniProt ID: [Q8N7C3](#)

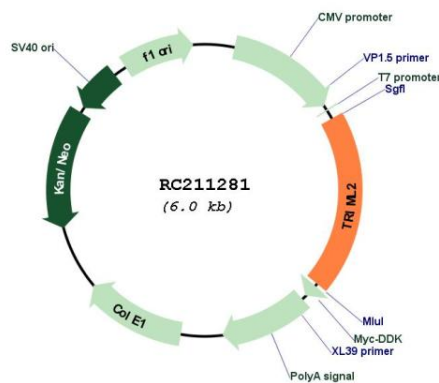
Cytogenetics: 4q35.2

Protein Families: Druggable Genome

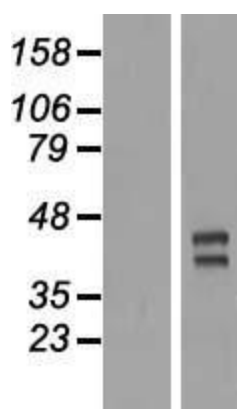
MW: 44 kDa

Gene Summary: This gene encodes a member of the tri-partite motif (TRIM) family of proteins. This protein may be regulated by the tumor suppressor p53 and may regulate p53 through the enhancement of p53 SUMOylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Circular map for RC211281



Western blot validation of overexpression lysate (Cat# [LY406464]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211281 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).