

## Product datasheet for **RC227121**

### iASPP (PPP1R13L) (NM\_001142502) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	iASPP (PPP1R13L) (NM_001142502) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	iASPP
Synonyms:	IASPP; NKIP1; RAI; RAI4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC227121 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACAGCGAGGCATTCAGAGCGCGGGACTTTCTGGACATGAACTCCAGTCGCTGGCCATGAAAC  
ACATGGATCTGAAGCAGATGGAGCTGGACACGGCGGCCAAGGTGGATGAACTGACCAAGCAGCTGGA  
GTCGCTGTGGTCAGACTCTCCCGCCTCTGGCCCGCAGGCCGACCCCTTCTAGGCCCGCCGGTAC  
AGCTCCAGCTCGATCCCTGAGCCCTTCGGCAGCCGAGGGTCCCCCGGAAGGCGGCCACCGACGGCGCAG  
ACACCCGTTTCGGACGATCAGAGAGTGCCTAACCCCTACACCCCTACAGCCCGTGTCCCCAAGGGACG  
GCCGTCGTCGCCGCGACCCCGCTCTACCTGCAGCCGACGCCTACGGCAGCCTGGACCGCGCAGCTCG  
CCCCGGCCCCGCGCTTCGATGGCGCAGGACGCTCCCTCGGCCGTGCGCCCTCCCCGCGGCCCGGCCAG  
GCCCGCTCGCCAGCAGGGTCCCCCACGCTTTCGACTTCTGGGCCGCGCAGGCTCCCCCGCGGCAG  
CCCCCTGGCGGAGGGGCCAGGCTTCTCTCCGAGCGTGGGCCGTACCGCGCCCCCTGCCACAGCC  
TAGCAGCGCCAGCGTCCGCCTTCGGGAGCTCCCTGCTAGGCTCCGGCGGCAGCGCATTCGCCCCGCTC  
TGC CGCGCAAGACGACCTGACGCTGCGCCGGCGCCTCCGAAAGCCTGGAACGAGTCTGACCTGGACGT  
GGCGTACGAGAAGAAGCCTTCGACAGACGCGAGCTATGAACGCCTGGACGTCTTCGCAAGGCCTGCCTCG  
CCGAGCCTGCAGCTGTTGCCTTGGAGGGAGAGCAGCCTGGATGGACTGGGGGACCGGCAAGGACAACC  
TCACTAGCGCCACCCTGCCGCGCAATTACAAGTCTCTCTTGGCCAGCGACCGCGCTTCAGACCGGG  
CAGCTACCGCGCTCGCTGGGCTCCGCGGGCGCTCGGGCACTTTCCTCGCAGCTGGCAGCCCGTCAAG  
GCATCCCCATGCCCTCCAGCCCCAGCCCCGCGGGGCCCGCGCCAGCGTCCATCCCCCTCCACCA  
TGATCTTCAAGCTGCAGAAGCCTTCTGGGAGCACGGGGCCAGCCGCGCCATGCTCCCTGGTCCCCCT  
TTTACCCGAGCACCCCGCTAAGCTGCAGCCCAACCAACCAACAGCCCAACAATCACAAACCA  
CAGCCCCAGCTGCCCCACAGCCCCAGCCCAACCCAAACCCCTACCCAGCCCCCAGCATCCCCAAC  
AGACATGGCCCCCTGTGAACGAAGGACCCCAACCCCAACCCAGCTGGAGCCTGAGCCGGAGATAGA  
GGGGTGTGACACCACTGCTGGAGGCTGGCGATGTGGATGAAGGCCCTGTAGCAAGGCCTCTCAGCCCC  
ACGAGGCTGCAGCCAGCACTGCCACCGGAGGCACAGTCCGTGCCCGAGCTGGAGGAGGTGGCAGGGTGT  
TGGCGAAATTCCCCGGCCCCCAAACGCAGGGGCTCCATGGAGCAGGCCCTGCTGTGGCCCTGCCCC  
TACCCACAAGAACAGTACCAGCAGATCATCAGCCGCTTTCATCGTCATGGGGGCCAGGGCCCGGG  
GGCCCGGAGCCAGAGCTGTCCCATCACTGAGGGATCTGAGGCCAGGGCAGGGCCCCCTGCTCCTGCC  
CACCAGCTCCCATTCACCCCGGCCCGTCCAGAGCAGCCACCAGAGCAGCCGAGAGCATGGAGAT  
GCGCTCTGTGCTGCGGAAGGCGGGTCCCCGCGCAAGGCCCGCCGCGCGCCTCAACCTCTGGTGCTC  
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GCCAGCCAAAGGAGGGCATCACTGCCTTGACAACGCCATCTGCGCGCCAACCTACTCTATCGTGGA  
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GCGTCGTGCAACGACACAGTCACTGCATGGCGCTGGTGCAGCACGGCGCTGCAATCTTCGCCACCACGC  
TCAGCGACGGCGCCACCGCTTCGAGAAGTGCACCCCTTACCGCAGGGTTATGCTGACTGCGCCACCTA  
CCTGGCAGACGTCGAGCAGAGTATGGGCTGATGAACAGCGGGCAGTGTACGCTCTGGGATACAGC  
GCCGAGTTCGGGGACGAGCTGTCTTCCGCGAGGGCGAGTCGGTACCCGTGCTGCGGAGGGACGGCCGG  
AGGAGACCGACTGGTGGTGGGCCGCTGCACGGCCAGGAGGGTACGTGCCGCGGAACTACTTCGGGCT  
GTTCCCCAGGGTGAAGCCTCAAAGGAGTAAAGTC

**ACGCGT**ACCGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC227121 protein sequence  
Red=Cloning site Green=Tags(s)

MDSEAFQSARDFLDMNFQSLAMKHMDLKQMELDTAAAKVDELTKQLESLWSDSPAPPGPQAGPPSRPPRY  
SSSSIEPFSGSRGSPRKAATDGADTPFGRSESAPTLHPYSPLSPKGRPSSPRTPLYLQPDAYGSLDRATS  
PRPRAFDFGAGSSSLGRAPSPRPGPLRQQGPPTPFDFLGRAGSPRGSPLAEGPQAFFSERGSPSRPPATA  
YDAPASAFGSSLLGSGGSAFAPPLRAQDDLTLRRRPPKAWNESDLDVAYEKKPSQTASYERLDVFARPAS  
PSLQLLPWRESSLDGLGGTGKDNLTSATLPRNYKVSPLASDRSDAGSYRRSLGSAGPSGTLPRSWQPVS  
RIPMPSSPQPRGAPRQRPIPLSMIFKLNQAFWEHGASRAMLPGSPLFTRAPPKLQPQPQPQPQSQP  
QPQLPPQPQTQPQTPTPAPQHPQQTWPPVNEGPPKPTELEPEPEIEGLLTPVLEAGDVDEGPVARPLSP  
TRLQPALPPEAQSVPELEEVARVLAIEIPRPLKRRGSMEQAPAVALPPTHKKYQQIISRLFHRHGGPGPG  
GPEPELSPITEGSEARAGPPAPAPPAPIPPPAPSQSSPPEQPQSMEMRSVLRKAGSPRKARRARLNPLVL  
LLDAALTGELEVQAVKEMNDPSQPNEEGITALHNAICGANYSIVDFLITAGANVNSPDSHGWTPLHCA  
ASCNDTVICMALVQHGAEIFATLSDGATAFEKCDPYREGYADCATYLADVEQSMGLMNSGAVYALWDYS  
AEFGDELSFREGESVTVLRDDGPEETDWWAALHGQEGYVPRNYFGLFPRVKPQRSKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6821\\_h02.zip](https://cdn.origene.com/chromatograms/mk6821_h02.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001142502

ORF Size: 2484 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\\_001142502.1](#), [NP\\_001135974.1](#)

**RefSeq Size:** 3122 bp

**RefSeq ORF:** 2487 bp

**Locus ID:** 10848

**UniProt ID:** [Q8WUF5](#)

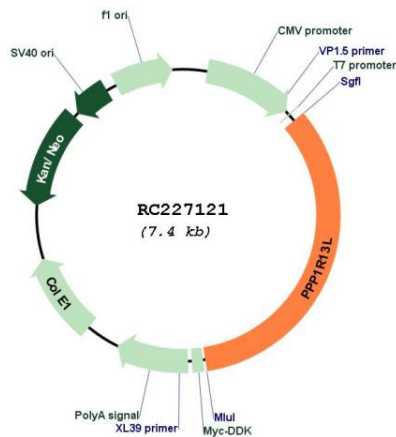
**Cytogenetics:** 19q13.32

**Protein Families:** Transcription Factors

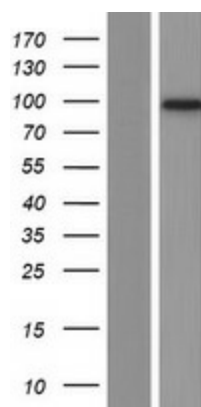
**MW:** 89.1 kDa

**Gene Summary:** IASPP is one of the most evolutionarily conserved inhibitors of p53 (TP53; MIM 191170), whereas ASPP1 (MIM 606455) and ASPP2 (MIM 602143) are activators of p53.[supplied by OMIM, Mar 2008]

## Product images:



Circular map for RC227121



Western blot validation of overexpression lysate (Cat# [LY428136]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227121 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).