

## Product datasheet for RC211083

### INTS3 (NM\_023015) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	INTS3 (NM_023015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INTS3
Synonyms:	C1orf60; C1orf193; INT3; SOSS-A; SOSSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211083 representing NM_023015 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTTGCAGAAGGGAAAAGGGGCGGCAGCAGCAGCAGCTGCTTCGGGAGCAGCGGGAGGTGGAGGAG  
GAGGAGCGGGAGCAGGAGCCCCAGGAGGGGGGAGGCTGCTACTTTCAACCAAGTTGGATGCCAAGGATGA  
GTTAGAGGAGAGATTGAAAAGGTGTATGAGCATTGTGACATCGATGACTGCTGGTGTCTCGGAGAGAGAA  
GCCAATGATGCCCTCAATGCGTATGTGTCAAAGGCCCTCCCCAGCATGAAGAAATCTGCCTGGGCTGT  
TACTCTCATCCTCACTGAACCTGCCAAGCCAGAAAGTGTACCGGACTTAGCTCTGGTGAAGTGTGATG  
TGGCATGAATATTGCTCGAATAAAATCAACCAGATACTTATGGAGAAGTACCTGAAGCTGCAGGATACC  
TGCCGTAAGTACGTTGGTGTGGTTGGTACGGAACTGGTGAAGAGTGGGGTCTGGGAGCCGATGGTGT  
GTATGACGTTTATGAAGCAGATTGCAGGTGGAGATGTTACAGCCAAAAATATCTGGTTGGCAGAAAGTGT  
TCTGGATATCCTGACAGAGCAAAGGGAGTGGGTCTGAAGAGCAGCATCCTCATTGCCATGGCTGTTTAC  
ACGTACCTCCGCCTCATCGTGGACCACCATGGGACTGCCAGCTCCAGGCCCTGCGACAGAAGGAAGTAG  
ACTTCTGCATCTCACTGCTTCGGGAACGGTTCATGGAATGTCTGATGATTGGTGGGATCTCGTAAGACT  
ACTTCAGAATGTTGCTAGGATACCAGAAATTTGAACTGCTTTGGAAAGATATTATCCATAATCCTCAGGCC  
TTGAGTCTCAGTTCACAGGTATCCTACAGCTTCTTCAGTCAAGAACATCCCGAAAATTCCTAGCATGTC  
GTCTAACCCCGGACATGGAGACTAAACTCCTTTCATGACATCCCGGGTGCATTGGTCAACAAAAGCG  
ATACCAAGATTGGTTCCAGCGCCAGTACCTGTCAACTCCAGATAGTCAGTCTCTGCGCTGTGACCTCATT  
CGCTACATCTGTGGGTAGTCCACCCTTCTAATGAAGTACTGAGTTCAGATATCTTGCCCGGTGGGCCA  
TCATTGGTTGGCTCCTGACAACGTGCACGTCAAATGTCGCTGCCTCCAATGCCAAGCTGGCTTTGTTTTA  
TGACTGGTGTCTTTAGTCCAGACAAGGATAGCATTATGAACATAGAACCAGCCATCCTGGTCATGCAC  
CACTCCATGAAGCCCCACCCAGCCATCACTGCCACACTCCTGGACTTCATGTGCCGATCATTCCCAACT  
TCTATCCACCATTGGAGGGCCACGTGCGGCAGGGTGTCTTTTCTCCCTCAACCACATTGTGGAGAAACG  
GGTCTTGACACCTAGCTCCCCTGTTTGACAACCTAAGTTGGATAAAGGAGCTGCGGGCAATGCTGAGA



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GAGAAGTTTCCTGAGTTCTGCAGCTCACCTCCCCACCTGTGGAAGTCAAAATTGAGGAGCCAGTTTCCA  
 TGGAGATGGACAACCATATGTCGGATAAGGATGAGAGTTGCTATGACAATGCAGAGGCAGCCTTCAGTGA  
 CGATGAAGAGGATCTCAACAGCAAAGGAAAGAAGAGGGAGTTTCGCTTCCACCCTATCAAGGAGACAGTT  
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 AGCTACAGAAGGGGAGTGATACGGAGGCCAGTGTGAGGTCATGCAGGAAATTGTGGACCAGGTCCTGGA  
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 CGAGGGGAGGTCCTGCCTGAGGAGATTACTGAGGAGTCCCTGGAGGAGTCTGTAGGAAAGCCTCTGTACC  
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 CGAGCTATATCAGAAGCAGCCAAAGATTGGCTACCACCTGCTCTACTACCTGAGGGCCAGCAAAGCCGCC  
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 CAAGCGGAAACGAAAAGGTCTCTGCAGTGGGCTCTGACAGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC211083 representing NM\_023015

Red=Cloning site Green=Tags(s)

MELQKKGAAAAAASGAAGGGGGAGAGAPGGGRLLLSTSLDAKDELEERLERCMSIVTSMTAGVSERE  
 ANDALNAYVCKGLPQHEEICLGLFTLILTEPAQAQKCYRDLALVSRDGMNIVLNKINQILMEKYLKLQDT  
 CRTQLVWL VREL VKSGVLGADGVCMTFMKQIAGGDVTAKNIWLAEVLDILTEQREWVLKSSILIAMAVY  
 TYLRLIVDHHGTAQLQALRQKEVDFCISLLRERFMECLMIGRDLVRLQNVARIPEFELLWKDIIHNPQA  
 LSPQFTGILQLLQSRTSRKFLACRLTPDMETKLLFMTSRVRFQQKRYQDFQRQYLSTPDSQSLRCDLI  
 RYICGVVHPSNEVLSSDILPRWAIIGWLLTCTSNVAASNAKLALFYDWLFFSPDKDSIMNIEPAILVMH  
 HSMKPHPAITATLLDFMCRIIPNFYPPLEGHVRQGVFSSLNHIVEKRVLAHLAPLFDNPKLDKELRAMLR  
 EKFPFCSSPSPVVEVKIEEPVSMEMDNHMSDKDESCYDNEAAFSDDEEDLNSKGKREFRFHPKIKETV  
 VEEPVDITPYLDQLDESLRDKVLQLQKGSDEAQCEVMQEIVDQVLEEDFDSEQLSVLASCLQELFKAHF  
 RGEVLPPEEITEESLEESVGKPLYLIFRNLQMQEDNSSFLLLDLLSELVYQKPKIGYHLLYYLRASKAA  
 AGKMNLYESFAQATQLGDLHTCLMMDMKACQEDDVRLCHLTPSIYTEFPDETLRSGELLNMIVAVIDSA  
 QLQELVCHVMMGNLVMFRKDSVLNLIQSLDWETFEQYCAWQLFLAHNIPLIETIIPILQHLKYKEHPEAL  
 SCLLLQLRREKPSSEEMVMVLSRPCHPDDQFTTILRHWCWKHDELLAEHIKSLLIKNNSLPRKQSLRS  
 SSSKLAQLTLEQILEHLNLRNLNTNKQNFSSQTPILQALQHVQASCDEAHKMKFSDLFSLAEEYEDSS  
 TKPPKSRKAALSSPRSRKNATQPPNAEEESGSSASSEEDTKPKPTKRKRKGSVAVGSDSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8114\\_f09.zip](https://cdn.origene.com/chromatograms/mk8114_f09.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_023015

**ORF Size:** 3126 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\\_023015.5](#)

**RefSeq Size:** 4538 bp

**RefSeq ORF:** 3129 bp

**Locus ID:** 65123

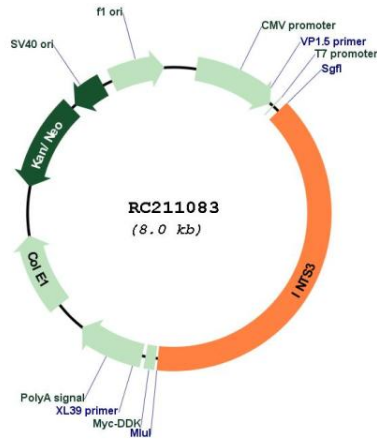
**UniProt ID:** [Q68E01](#)

**Cytogenetics:** 1q21.3

**MW:** 117.8 kDa

**Gene Summary:** The protein encoded by this gene can form a complex with human single-strand DNA binding proteins 1 or 2 (hSSB1 and hSSB2) and other proteins to mediate genome stability and the DNA damage response. The encoded protein is also part of a multiprotein complex that interacts with the C-terminal domain of RNA polymerase II large subunit to help regulate processing of U1 and U2 small nuclear RNAs. [provided by RefSeq, May 2016]

**Product images:**



Circular map for RC211083