

## Product datasheet for **RR203634**

### Ints11 (NM\_001033892) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ints11 (NM_001033892) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ints11
Synonyms:	Cpsf3l; int11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR203634 representing NM\_001033892  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGCCTGAAATTAGGGTCACTCCCTTGGGGCTGGCCAGGATGTAGCCCGCAGCTGTATCTTAGTCT  
 CCATTTTCGGCAAGAATGTCATGTTGGACTGTGGGATGCACATGGGCTACAATGATGACAGGCGCTTTC  
 TGACTTTTCTTACATCACCCAGAGTGGCCGTCTGACTGACTTTCTGGACTGTGTAATCATCAGCCACTTC  
 CACCTGGACCACTGTGGGGCACTCCCTACTTCACTGAAATGGTGGGCTACGATGGGCCATCTATATGA  
 CCCACCTACCCAGGCCATCTGCCCATCTGTTGGAAGACTACCGCAAGATCGCAGTGGACAAGAAGGG  
 CGAGGCCAACTTCTTCACTTCTCAGATGATCAAAGACTGCATGAAGAAGGTGGTGGCTGTCACTTGAC  
 CAGACAGTTCAGGTGGATGATGAACTGGAAATCAAGGCGTACTATGCAGGCCATGTGTTGGGGCAGCCA  
 TGTTCCAGATTAAGTGGGCTCAGAGTCTGTGGTCTACACGGGTGATTAAACATGACTCCAGACCGGCA  
 TTTGGGGCTGCTTGATTGACAAGTGTGTCACCACTGCTCATCACAGAGTCCACATATGCCACAACC  
 ATCCGAGATCCAAACGCTGCAGAGAGCGAGACTTCTGAAGAAAGTTTATGAGACTGTGGAGCGTGGCG  
 GAAAGGTGCTGATCCCTGTGTTGCGCTGGGCCGAGCACAAAGACTCTGCATCCTGCTGGAGACCTTCTG  
 GGAGCGCATGAACCTGAAGGTGCCATCTACTTCTACGGGCTGACAGAGAAAGCCAACCATTATTAC  
 AAGCTTTCATCACCTGGACCAACCAGAAGATCCGGAAGACATTTGTCCAGAGGAACATGTTTGAGTTTA  
 AGCACATCAAAGCCTTTGACCGGACATTTGCTGACAACCCAGGACCCATGGTTGTATTTGCTACACCTGG  
 GATGCTGCACGCTGGCCAATCCCTGCAGATCTCCGAAAATGGGCAGGAAATGAGAAGAACATGGTCATC  
 ATGCCTGGCTACTGTGTCAAGGTACTGTGGCCACAAGATCCTTAGTGGCAACGCAAGCTGAAATGG  
 AAGGGCTCAGATGCTGGAGGTAAGATGCAAGTGGAGTACATGTCCTTCACTGCCACGCCGAGCCAA  
 GGGCATCATGCAGCTGGTGGGGCAGGCAGAGCCGAGAGTGTGCTGCTGGTGCATGGCGAGGCCAAGAAG  
 ATGGAGTTCCTGAGGCAGAAGATTGAGCAGGAATTCGGGTCAGCTGCTACATGCCAGCCAAACGGTGA  
 CAGTGACGCTGCCACAAGCCCCAGCATCCCTGTGGGCATCTCCCTCGGACTGCTGAAGCGCAGATGGT  
 ACAGGGACTGTTGCCTGAAGCCAAAAACCTAGGCTTTTACATGGCACCCTAATTATGAAAGACAATAAT  
 TTCCGGCTGGTATCCTCGGAGCAAGCCCTCAAGGAGTTGGGCTGGCCGAACACCAACTGCGCTTCACT  
 GTCGTGTGCACCTGCAGGACACACGAAAGAACAAGAAACAGCCCTACGTGTGTACAGCCATCTCAAGAG  
 CACCCTCAAGGACCACTGTGTACAGCATCTCCCGATGGCTCTGTGACCGTGGAGTCCATTCTTATCCAA  
 GCTGCTGCCACTCAGAGGATCCTGGTACTAAAGTCTTCTGGTCTCCTGGACTTACCAAGATGAGGAGC  
 TGGGAAGCTTTCTCACAGCATTGCTCAAAAATGGCCTTCCCAGGCTCCCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203634 representing NM\_001033892  
 Red=Cloning site Green=Tags(s)

MMPEIRVTPLAGAQDVGRSCILVSIKGNVMDCGMHMGYNDRRFPDFSYITQSGRLTDFLDCVISHF  
 HLDHCGALPYFSEMVGYDGPYIMTHPTQAICPILLEDYRKAIVDKKGEANFFTSQMIKDCMKVAVHLH  
 QTVQVDDELEIKAYYAGHVLGAAMFQIKVGSSEVVYTDYNTMPDRHLGAAWIDKCRPNLLITESTYATT  
 IRDSKRCRERDFLKKVHETVERGGKVLIPVFALGRAQELCILLETFWERMNLKVPYIFSTGLTEKANHY  
 KLFITWTNQKIRKTFVQRNMFEFKHIAFDRTFADNPGPMVVFATPGMLHAGQSLQIFRWAGNEKNMVI  
 MPGYCVQGTVGHKILSGQRKLEMEGRQMLEVKMQVEYMSFSAHADAKGIMQLVGQAEPEVLLVHGEAKK  
 MEFLRQKIEQEFRVSCYPANGETVTLPTSPSIPVGISLGLLKREMVQGLLPEAKKPRLLHGTLMKDNN  
 FRLVSSQALKELGLAEHQLRFTCRVHLQDTRKEQETALRVYSHLKSTLKDHCVQHLPDGSVTVESILIQ  
 AAHSEDPGTVKLLVSWTYQDEELGSFLTALLKNLQPQAPS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001033892

**ORF Size:** 1803 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\\_001033892.2](#), [NP\\_001029064.2](#)
**RefSeq Size:** 2036 bp

**RefSeq ORF:** 1806 bp

**Locus ID:** 298688

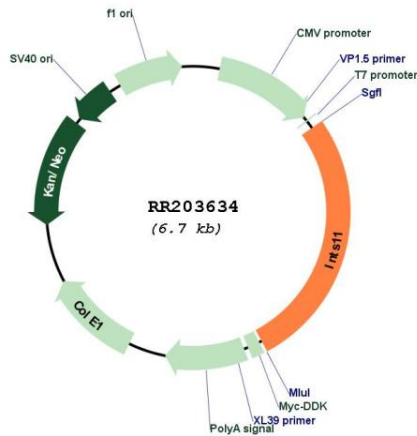
**UniProt ID:** [Q3MHC2](#)

**Cytogenetics:** 5q36

**MW:** 68 kDa

**Gene Summary:** Catalytic component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates the snRNAs 3' cleavage. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR203634