

Product datasheet for **MR209306**

Ints11 (NM_028020) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints11 (NM_028020) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ints11
Synonyms:	2410006F12Rik; AU044035; Cpsf3l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209306 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGAGATTAGGGTCACTCCCTTGGGGCTGGCCAGGATGTAGGCCGAAGCTGCATCTTGGTCTCCA
 TTTTCGGGAAGAATGTCATGTTGGACTGTGGGATGCACATGGGCTACAATGATGACAGGCCGCTTTCCTGA
 CTTTTCTTACATACCCAGAGTGGCCGCTGACTGACTTTCTGGACTGTGTGATCATCAGCCACTCCAC
 CTGGACCATTGTGGGCACTCCCCTACTTCAGTAAATGGTGGGCTACGATGGACCCATCTATATGACCC
 ATCCTACCCAGGCCATCTGCCCATCTGTTGGAAGACTACCGCAAGATTGCAGTGGACAAGAAGGGCGA
 GGCAATTTCTCACTTCTCAGATGATCAAGACTGTATGAAGAAGTGGTGGCTGATCACCTGCACCAG
 ACAGTTCAGTGGATGATGAGCTGGAATCAAGGCATACTATGCAGGCCACGTCTGGGGCAGCCATGT
 TCCAGATTAAGTGGGCTCGGAGTCTGTGGTCTACACGGGTGACTATAACATGACCCAGACCGGCAATT
 GGGGGCTCGTGGATTGACAAGTGTGCCCCAACTTGCTCATCACAGAATCCACATATGCTACAACCATC
 CGAGATCCAAACGCTGCAGAGAGCGAGATTTCTAAAGAAAGTTCATGAACTGTGGAGCGTGGAGGAA
 AGGTGCTGATTCCTGTGTTTGGCTGGGCCGAGACAAGAAGCTCTGCATCCTGCTGGAGACCTTCTGGGA
 GCGCATGAACCTGAAGGTGCCATATACTTCTCTACGGGCTGCAGAGAAAGCCAACTACTACAAG
 CTCTTCATCACCTGGACCAACCAGAAGATCCGGAAGACGTTTCGTCCAGAGGAACATGTTTGGATTAAGC
 ACATCAAAGCCTTTGACCGGACATTTGCTGACAACCCAGTCCCATGGTTGTGTTGCCACACCTGGGAT
 GCTGCATGCTGGCAATCCCTGCAAATCTCCGGAAGTGGCAGGAAATGAGAAGAATGTTGATCATG
 CCTGGTTATTGTGTGCAAGGCACCGTGGCCACAAGATCCTTAGTGGCAACGTAACGTTGAAATGGAAG
 GCGCCAGATGCTGGAGGTAAGATGCAAGTGGAAATACATGCTTTCAGCGCCATGCTGATGCCAAGGG
 CATCATGCAGCTGGTAGACAAGCGGAGCCGAGAGTGTCTGTTGGTGCATGGCGAAGCCAAGAAGATG
 GAGTTCCTGAGGCAAGATTGAGCAGGAATCCGGGTGACGTGTACATGCCGGCAATGGTGAGACAG
 TGACGCTGCCACAAGCCCTAGCATCCCTGTGGGCATCTCCCTGGGATTGCTGAAGCGGGAGATGGTGCA
 GGGGCTGTTGCCTGAAGCCAAAAAAGCTAGGCTTTTACATGGCACCTCATTATGAAAGACAGTAATTTT
 CGGCTGGTATCCTCAGAGCAAGCCCTGAAGGAGCTGGGCTGGCAGAGCACCAACTTCGTTACCTGTC
 GTGTGCACCTGCAGGACACACGCAAGAACAAGAAACAGCTTTACGTGTGTACAGCCATCTCAAGAGCAC
 CCTCAAGGACCACTGTGTACAGCATCTCCCGATGGCTCTGTGACTGTGGAGTCCATTCTAATCCAGGCT
 GCCGCCATTTCGAGGACCTGGTACCAAGGTGCTATTGGTCTCCTGGACTTACCAGGATGAAGAGCTGG
 GAAGTTCCTCACAACATTGCTCAAAAATGGCCTTCTCAGGCTCCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209306 protein sequence
 Red=Cloning site Green=Tags(s)

MPEIRVTPLAGAQDVGRSCILVSIISGNVMLDCGMHMGYNDRRFPDFSYITQSGRLTDFLDCVISHFH
 LDHCGALPYFSEMVGIDGPIYMTHPTQAICPILLEDRKIAVDKKGANFFTSQMIKDCMKVVDHLHQ
 TVQVDELEIKAYYAGHVLGAAMFQIKVGSESVVYTGDMNTPDRHLGAAWIDKCRPNLLITESTYATTI
 RDSKRCRERDFLKKVHETVERGGKVLIPVFALGRAQELCILLETFWERMNLKVPYIFSTGLTEKANHYK
 LFIWTNQKIRKTFVQRNMFEFKHIAKFDRTFADNPGPMVVFATPGMLHAGQSLQIFRWAGNEKNMVM
 PGYCVQGTVGHKILSGQRKLEMEGRQMLEVKMQVEYMSFSAHADAKGIMQLVQAEPEVLLVHGEAKKM
 EFLRQKIEQEFRVSCYPANGETVTLPTSPSIPVIGISLGLLKREMVQGLLPEAKKPRLLHGTLMKDSNF
 RLVSSSEQALKELGLAEHQLRFTCRVHLQDTRKEQETALRVYSHLKSTLKDHCVQHLPDGSVTVESILIQ
 AAHSEDPGTVKLLVSWTYQDEELGSFLTLLKNGLPQAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028020

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_028020.1](#), [NM_028020.2](#), [NM_028020.3](#), [NP_082296.1](#)

RefSeq Size: 2347 bp

RefSeq ORF: 1803 bp

Locus ID: 71957

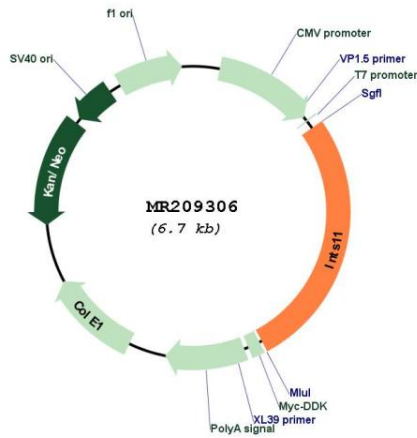
UniProt ID: [Q9CWS4](#)

Cytogenetics: 4 87.66 cM

MW: 67.9 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 MR209306