

Product datasheet for MR231516

Ints3 (NM_145540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints3 (NM_145540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ints3
Synonyms:	C77668
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231516 representing NM_145540 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTACAGAAGGGAAAGGGGACCGTAGCAGCTGCTGCATCAGGAGCAGCGGGAGGTGGAGGAGGAG
GAGCGGGAGCAGGAGCCCCAGGAGGGGGAGGCTGCTACTTTCAACCAGTTTGGATGCCAAGGATGAGTT
AGAGGAGAGGTTGGAAAGGTGCATGAGTATTGTCACATCGATGACCGCTGGTGTCTCCGAGAGAGAGGCC
AATGATGCTCTCAATGCCTATGTGTCAAAGGACCTCCCAGCATGAGGAGATCTGCCTAGGCCTGTTTA
CTTTGCTCCTCACTGAGCCTGCCAAGCCAGAAGTGTACCGGACTTGGCTCTGGTGAGTCGTGATGG
TATGAACATCGTCTGAACAAGATCAACCAGCTACTTATGGAGAAGTACTTGAAGCTGCAAGATACCTGC
CGTACTCAGTTGGTGTGGTTGGTTCGGGAAGTAAAGAGTGGAGTTCTGGGAGCTGATGGCGTTTGCA
TGACATTTATGAAGCAGATTGCAGGTGGCGATGTTACAGCCAAAAATATCTGGTTGGCAGAAAGTGTCT
GGATATCCTGACGGAGCAGAGGGAGTGGGTGCTGAAGAGCAGCATCCTCATTGCCATGGCTGTGTACACG
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TCAGAAATGTTGCTAGGATACCAGAATTTGAACTACTGTGGAAGATATCATCCATAAACCCTCAGGCCTTG
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TACATCTGTGGGTAGTCCACCCCTCTAACGAAGTGTGAGTTCTGATATCTTGGCCCGGTGGCCATCA
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AAGTTTCCTGAGTTCGACGCTCGCCCTCCCCTCCTGTGGAAGTCAAAATTGAAGAGCCTGTTCCATGG
 AAATGGACAACCACCTCTCAGATAAGGATGAGAGTTGCTATGACAATGCAGAGGCAGCCTTCAGTGATGA
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 CCAACACCAAGCAGAACTTCTTTAGCCAGACACCAATCTCCATGCGCTGCAGCATGTCCAGGCAAGCTG
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 CCAATGCTGAAGAGGAGTCAGGCTCCAGCAGTGCCTCGGAGGAAGAAGATACAAAGCCTAAGCCTACCAA
 ACGAAAACGAAAAGGCTCCTCTGCTGTGGTTCGACAGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231516 representing NM_145540
 Red=Cloning site Green=Tags(s)

MELQKKGTVAAAASGAAGGGGGAGAGAPGGRLLLSTSLDAKDELEERLERCMSIVTSMTAGVSEREA
 NDALNAYVCKGPPQHEEICLGLFTLVLETPAQAKCYRDLALVSRDGMNIVLNKINQLLMEKYLKLDQDTC
 RTQLVWLVRELVKSGVLGADGVCMTFMKQIAGGDVTAKNIWLAESVLDILTEQREWVLKSSILIAMAVYT
 YLRLIVDHHGTAQLQTLRQKEVDFCISLLRERFMECLMIGRDLVRLQNVARIPEFELLWKDIIHNPQAL
 SPQFTGILQLLQSRFSRKFLACRLTPDMETKLLFMTSRVRFQKRYQDFWRQYLSTPDSQSLRCDLIR
 YICGVVHPSNEVLSSDILPRWAIIGWLLTCTSNVAASNAKLALFYDWLFFSPEKDSIMNIEPAILVMHH
 SMKPHPAITATLLDFMCRIIPNFYPPLEGHVRQGVFSSLNHIVEKRVLAHLAPLFDNPKLDKELRSMRE
 KFPEFCSSPSPVEVKIEEPVSMEMDNHLSKDDESCYDNEAAAFSDDEEDLNSKGKKREFRFHPIKETVV
 EEPVDVTPYLDQLDESLRDKVLQLQKGSDETAQCEVMQEIVDQVLEEDFDSEQLSVLASCLQELFKAHFR
 GEVLPPEEVTEESLEESVGKPLYLIFRNLQMQEDNSSFSLLLDLSLEYQKQPKIGYHLLYYLRASKAAA
 GKMNLYESFAQATQLGDLHTCLMMDMKACQEDDVRLCHLTPSIYTEFPDETLRSGELLNMIVAVIDSAQ
 LQELVCHVMMGNLVMFRKDSVLNLIQSLDWETFEQYCAWQLFLAHNIPLIETIIPILQHLKYKEHPEALS
 CLLLQLRREKPSSEEMVMVLSRPCHPDDQFTTILRHWCWKHDELLAEHIKALLIKNNSLPRKRQSLRSS
 SSKLAQLTLEQILEHLDNLRNLANTKQNFSSQTPILHALQHVQASCDEAHMKFSDLFLAEYEDSST
 KPPKSRKAAALSSPRSRKNATQPPNAEEESGSSSASEEEDTKPKPTKRKRKRGSSAVGSDSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_145540

ORF Size: 3123 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145540.2](#), [NM_145540.3](#), [NP_663515.2](#)

RefSeq Size: 4460 bp

RefSeq ORF: 3126 bp

Locus ID: 229543

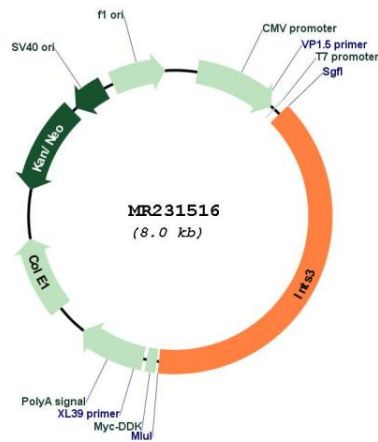
UniProt ID: [Q7TPD0](#)

Cytogenetics: 3 F1

MW: 117.9 kDa

Gene Summary: Component of the Integrator (INT) complex. The Integrator complex is 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 recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231516