

Product datasheet for MC229305

Ints3 (NM_145540) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints3 (NM_145540) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ints3
Synonyms:	C77668
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229305 representing NM_145540 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTTACAGAAGGGAAAGGGGACCGTAGCAGCTGCTGCATCAGGAGCAGCGGGAGGTGGAGGAGGAG
GAGCGGGAGCAGGAGCCCCAGGAGGGGGAGGCTGCTACTTTCAACCAGTTTGGATGCCAAGGATGAGTT
AGAGGAGAGGTTGGAAAGGTGCATGAGTATTGTCACATCGATGACCGCTGGTGTCTCCGAGAGAGAGGCC
AATGATGCTCTCAATGCCTATGTGTGCAAAGGACCTCCCCAGCATGAGGAGATCTGCCTAGGCCTGTTTA
CTCTTGTCTCACTGAGCCTGCCAAGCCAGAAGTGTACCGGGACTTGGCTCTGGTGAGTCGTGATGG
TATGAACATCGTCTGAACAAGATCAACCAGCTACTTATGGAGAAGTACTTGAAGCTGCAAGATACCTGC
CGTACTCAGTTGGTGTGGTTGGTTCGGAACTAGTAAAGAGTGGAGTTCTGGGAGCTGATGGCGTTTGCA
TGACATTTATGAAGCAGATTGCAGGTGGCGATGTTACAGCCAAAATATCTGGTTGGCAGAAAAGTGTCTCT
GGATATCCTGACGGAGCAGAGGGAGTGGGTGCTGAAGAGCAGCATCCTCATTGCCATGGCTGTGTACACG
TACCTCCGACTTATTGTGGACCACCATGGGACTGCCAGCTCCAGACCCTCGGCAGAAGGAAGTTGACT
TCTGCATCTCCTTGGTTCGGGAACGGTTCATGGAATGTTGATGATTGGCCGGACCTTGTAAAGTACT
TCAGAATGTTGCTAGGATACCAGAATTTGAACTACTGTGGAAGATATCATCCATAACCCTCAGGCCTTG
AGTCTCAGTTTACAGGTATCCTACAGCTACTTCACTCAAGAACATCCCAGAAAATTTCTAGCCTGTCTGTC
TAACCCAGACATGGAACGAAGCTCCTCTTATGACATCCCGGGTGGGTTTGGCCAGCAAAAAGCGGTA
CCAGGACTGGTTCAGCGCCAGTACCTCTCAACCCTGACAGTCACTCTGCGCTGTGACCTCATTGCA
TACATCTGTGGGTAGTCCACCCTCTAACGAAGTGTGATTTCTGATATCTTGCCTGGTGGCCATCA
TTGGCTGGCTCCTGACAACATGCACGTCCAACGTTGCTGCCTCCAATGCCAAGCTGGCTTTGTTTTATGA
CTGGCTGTTCTTACAGCCAGAAAAGGATAGTATTATGAACATAGAGCCAGCTATCCTGGTCATGCATCAC
TCCATGAAGCCCCACCCAGCCATCACTGCCAGCTCCTGGACTTCATGTGCCGAATCATTCTAACTTCT
ACCCACCATTGGAAGGCCACGTTTCGGCAGGGTGTCTTTCTTCCCTCAACCACATTGTGGAGAAAAGGAGT
CTTGGCACACTTGGCTCCCTGTTTGACAACCCTAAATTGGATAAAGAGCTTCGGTCCATGCTTCGGGAG
AAGTTTCTGAGTTCTGCAGCTCGCCCTCCCCTCCTGTGGAAGTCAAATTGAAGAGCCTGTTTCCATGG



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AAATGGACAACCACCTCTCAGATAAGGATGAGAGTTGCTATGACAATGCAGAGGCAGCCTTCAGTGATGA
 TGAGGAGGATCTTAATAGCAAAGGGAAGAAGAGAGAGTTTCGCTTCCACCCCATCAAGGAGACTGTCGTG
 GAGGAGCCGGTTGATGTCACCCCTTACCTTGATCAGTTGGACGAGTCCCTGAGGGACAAAGTGCTACAGC
 TACAGAAGGGAAGTGATACAGAGGCCAGTGTGAGGTTATGCAGGAAATTGTGGATCAGGTCTGGAGGA
 AGACTTTGACTCGGAGCAACTGTCTGTCTGGCTTCTGCCTACAGGAGCTTCAAGGCCCACTTTCTCGA
 GGGGAGGTGTTGCCTGAAGAGGTCACTGAAGAGTCCCTGGAGGAGTCACTAGGGAACCAGTGTACCTAA
 TATTTAGGAACCTGTGCCAGATGCAGGAGGACAACAGCAGCTTCTCGCTGCTTCTGGACCTTCTCTCCGA
 GCTGTATCAAAAAGCAACCCAAGATCGGCTACCACCTGCTCTACTACTTGAGGGCAAGCAAAGCCGCCGA
 GGAAGATGAACCTGTATGAGTCGTTTGCCAGGCTACCCAGCTGGGTGATCTGCACACCTGTCTAATGA
 TGGACATGAAGGCCTGCCAAGAGGATGATGTGCGACTGCTATGCCACCTCACACCTTCCATCTACACAGA
 GTTTCAGATGAAACTTTGAGGAGTGGGGAGTGTGAACATGATTGTGGCTGTTATTGACTCTGCACAG
 CTCCAGGAGCTGGTCTGCCATGTGATGATGGGGAACCTGGTCATGTTTCGGAAGGACTCAGTCTCAACA
 TACTCATTAGAGCCTAGACTGGAAACGTTTGGCAGTACTGTGCTGGCAGCTTCTCTGGCCACAA
 CATCCCTTGGAGACCATTATTCCTATTCTCCAGCACCTCAAACAAGGAGCACCCAGAGGCCCTGTCC
 TGCTCCTGCTTACAGTACGGAGAGAGAAGCCGAGTGGAGAGATGGTGAAGATGGTGTGAGCAGGCCCT
 GCCATCCTGATGACCAGTTCACCACCAGCATCCTGAGGCACTGGTGCATGAAGCAGACGAGCTGTGGC
 AGAGCACATCAAGGCGCTGCTCATCAAGAACAACAGCCTGCCCCGCAAGGGCAGAGCCTAAGAAGCTCT
 AGCAGCAAGCTGGCCAGCTGACCTGGAACAGATCCTGGAACACTTGGACAACCTAAGGCTCAACCTAG
 CCAACACCAAGCAGAACTTCTTTAGCCAGACACCAATCTCCAGGCGCTGCAGCATGTCCAGGCAAGCTG
 TGACGAAGCTCACAAGATGAAGTTCAGTGACCTTCTCCCTGGCGGAGGAATATGAGGACTCTTCCACT
 AAGCCACCAAGAGCCGGCGGAAGGCAGCTCTGTCCAGCCCTCGAAGTCGAAAGAATGCTACCCAGCCCC
 CCAATGCTGAAGAGGAGTCAGGCTCCAGCAGTGCCTCGGAGGAAGAAGATACAAAGCCTAAGCCTACCAA
 ACGAAAACGAAAAGGCTCCTCTGCTGTGGTTCTGACAGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_145540

Insert Size:

3126 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_145540.3](#), [NP_663515.2](#)

RefSeq Size: 4460 bp

RefSeq ORF: 3126 bp

Locus ID: 229543

UniProt ID: [Q7TPD0](#)

Cytogenetics: 3 F1

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]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.