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Product datasheet for MC223906

Ints2 (NM_027421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints2 (NM_027421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ints2
Synonyms:	2810417D08Rik; AA408260; AI987735; mKIAA1287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223906 representing NM_027421
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGCCCGAGGGTACAGGCCTGCAGTTTGTCAGCCCTTTTGCTTTTGAAGCTATGCAGAAGGTGGATG
TTGTCCGCCTGGCGTCCTTAAGTGATCCGGAATTAAGACTCCTCTTGCCCTGCCTGGTGAGGATGGCACT
TTGTGCTCCTGCTGACCAGAGCCAAAGTTGGGCACAGGATAAGAAACTTATACTTCGCCTCCTGTCTGGA
GTGGAAGCTGTCAACTCCATTGTTGCACTGTTGTCTGTGGACTTCCACGCTCTAGAACAAGATGCCAGCA
AAGAACAGCAGCTTAGGCATAAACTTGGAGGAGGCAGTGGAGAGAGCATCCTGGTATCACAGCTTCAGCA
TGGGCTGACACTAGAGTTTGAACACAGTGATTCCCCTCGTCGATTGCGGCTTGTGCTGAGTGAATTGTTG
GCAATTATGAACAAGGTGTCAGAGTGCAATGGAGAGTTCTTTTTCAAGTCTTCTGAGCTCTTTGAGAGTG
CAGTGTACTTGGAGGAAGCTGCAGATGTCCTTTGTATCTTACAAGCAGAGCTCCCTTCCCTGCTTCCTAT
AGTGGACGTCGCGGAAGCCTTGCTGCGTGTTAGAAATGGAGCCTGGTTCTTGTGTCTCCTGGTAGCCAAT
GTTCCTGATAGTTTTAACGAAGTTTGTAGGGGCCTGATCAAAAACGGAGAACGGCAGGATGAAGAAAGTC
TCGGAGGGAGGCGCAGGACAGACGCCCTACGCTTCCTATGCAGAATGAATCCTTCTCAGGCCCTGAAGGT
CCGGGGCATGGTGGTGGAAGAATGTCACTTGCCAGGCCTTGGAGTAGCTTTGACATTGGATCATACTAAA
ACCGAAGCTTGTGAGGATGGAGTGAGCGACTTGGTTTGCTTTGTTAGTGGTTTGCTTCTTGGAACAAATG
CAAAAGTCAGGACTTGGTTTGGAACCTTCATTCGAAATGGACAACAGAGAAAACGGGAGACCAGTGGTTC
CGTGCTTTGGCAGATGAGAAGGCAGCTGCTTCTGGAGTTGATGGGCATTCTTCCTACAGTGAGGAGTACC
CGTATTGTGGAGGAAGCCGATGTGGAGATGGAACCTACCGTGTCGGTGTACTCGGGGCTGAAGGAAGAGC
ACGTCGTGAAAGCCAGTGCACTCTTACGTCTGTACTGTGCCTTGATGGGAATTGCTGGACTCAAACCAAC
TGAAGAAGAAGCTGAGCAGTTGCTGCAGCTGATGACCAGCCGACCTCCTGCCACGCCGGCCGGGGTTCGC
TTTGTTTCCCTCTCCTTCTGTATGCTGCTGGCCTTCTCCACACTCGTCAGCACGCCGGAGCAGGAGCAGC
TGATGGTGCTGTGGCTCAGCTGGATGATCAAGGAAGAGGCGTACTTTGAGAGTACATCAGGTGTCTCTGC
TTCTTTTGGGGAGATGTTGCTATTGGTGGCCATGTATTTCCATAGCAACCAGCTTAGTGCTATCATTGAC
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TTAGTCTGCTCCACTTTGGGGATGAAGATTGTGATTAAGCCAAGCTCCTTAAGCAGGATGAAGACCATCT
TCACACAGGAGATCTTTACAGAGCAGGTTGTCACAGCCCATGCAGTTCGAGTTCCTGTCACCAGCAACTT
GAGTGCCAACATTACTGGGTTTTTGCCCATTCATTGTATTTACCAACTTCTCAGGAGTCGATCGTTTACC
AAGCACAAAGTGTCAATAAAAGACTGGATTTACAGACAGCTATGTGAAACTTCCACTCCACTCCACCCTC
AGCTCCTTCCTCTGATTGATGTGTACATAAACTCCATACTCACTCCTGCGTCTAAGTCTAACCCTGAAGC
CACGAACCAGCCGGTCACTGAGCAGGAGATCCTGAACCTTTTCCAGGAGGTCATCGGGGGAGACAGCGTC
CGCCTTACCCAGCGCTTCAGTATCACAGCGCAGCTTCTGGTGCTCTACTATATCCTGTCTTACGAGGAAG
CTCTCCTGGCGAACACAAAGACGCTAGCTTCCATGCAGAGGAAACCCAAATCATATTCTTCTTCTTTAAT
GGACCAAATTCCTATCAAGTTTCTTATTCGGCAGGCTCAAGGACTGCAGCAGGAGTTGGGAGGGCTGCAT
TCAGCTTTACTACGTCTTCTAGCAACTAATTATCCACATCTGTGTATTGTGGATGACTGGATCTGTGAGG
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GAAACAGCTGCAGGAAGCATTTTCAGCTGTCCCTGTAAGTCACACACAAGTGATGCAGATTATGGAACAC
TTGACTCTACTTTCTGCCAGTGAACTTATTCCATATGCAGAAGTACTAACGTCCAATATGAACCAGCTGC
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GCCAAGAAGGCTGTGGGTAATGACGGTTAATGCACTCCAACCTTCCATAAAGTTTATACGACAACAAAAA
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CCCCACTAATGGATGTTACTTTACACATGCTCAATGGGTACCTCCTTGCCTCTAAAGCTTACCTTAGTGC
CCATCTAAAGGAAACGGCAGAGCAAGATAGACCTTCCCCGAATAATACAGTAGGCTTGGTTGGACAGACT
GATGCCCCAGAAGTGACCAGAGAAGAACTGAAAAACGCATTACTGGCTGCTCAGGACAGTGCTGCTGTCC
AGATTCTCTTAGAAATTTGCTTGCCGACTGAAGAGGAAAAGGCAAAAGGTGCCAATTCAGACATCTCCCT
CAGGAATACTCAAGGTGTCACCACCATCAGCACTCCAAGTAAAGAAACAGAAGAAGGAGAAGACAATTTG
CTCTGTAACCTTCGGGAAGTTCAGTGCCTTATCTGTTGCCTGTTACACCAAATGTACATTGCAGATCCCA
ACATTGCTAAACTTGTTCACTTTCAGGGTTATCCATGTGAACTTCTGCCTCTGACAGTCGCAGGGATCCC
GTCTATGCACATCTGTTTGGATTTCATACCGGAGCTTATTGCCCAGCCAGAACTTGAAAAACAGATATTT
GCTATACAGCTGCTTTCTCACTTGTGTATCCAGTATGCATTACCAAAGTCACTTAGTGTGGCTCGCTTAG
CTGTCAATGTTATGGGGACTTTGCTAACAGTTCTGACACAAGCTAAGCGGTACTCGTTTTTCATGCCAAC
TCTTCCAAGTTTGGTCTCCTTTTGTCGAGCATTTCCTCCACTGTATGAGGATATTATGTCTTTGCTAATT
CAAATAGGACAAGTGTGTGCCTCTGATGTTGCCACTCAGACAAGAGACATTGATCCAATCATTACACGTC
TTCAACAAATAAAGGAGAAACCTAGTGGATGGTCTCAAATTTGTAAGGATCCATCTTACAAAAATGGATC
CAGGGACACTGGAAGCATGGATCCTGATGTCCAGCTCTGTCATTGTATTGAAAGCACAATAATTGAAATA
ATAAACATGAGTGTTAGTGGAATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027421

Insert Size: 3597 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).

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).

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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_027421.2, NP_081697.2
RefSeq Size:	5922 bp
RefSeq ORF:	3597 bp
Locus ID:	70422
UniProt ID:	Q80UK8
Cytogenetics:	11 C
Gene Summary:	Component of the Integrator (INT) 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 recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex. [UniProtKB/Swiss-Prot Function]

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