

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223906 representing NM_027421
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCCCGAGGGTACAGGCCTGCAGTTTGTGAGCCCTTTTGTCTTTGAAGCTATGCAGAAGGTGGATG
 TTGTCCGCTGGCGTCCCTAAGTGATCCGGAATTAAGACTCCTCTGCCCTGCCTGGTGAGGATGGCACT
 TTGTGCTCCTGTGACCAGAGCCAAAGTTGGGCACAGGATAAGAACTTATACTTCGCCTCCTGTCTGGA
 GTGGAAGCTGTCACTCCATTGTTGCACGTGTTGTCTGTGGACTTCCACGCTCTAGAACAAAGATGCCAGCA
 AAGAACAGCAGCTTAGGCATAAACTTGGAGGAGGCAGTGGAGAGAGCATCCTGGTATCACAGCTTACGCA
 TGGGCTGACACTAGAGTTTGAACACAGTGATCCCTCGTCGATTGCGGCTTGTGCTGAGTGAATTGTTG
 GCAATTATGAACAAGGTGTCAGAGTGCAATGGAGAGTTCTTTTCAAGTCTTCTGAGCTCTTTGAGAGTG
 CAGTGTACTTGGAGGAAGCTGCAGATGCCTTTGTATCTTACAAGCAGAGCTCCCTCCCTGCTTCTAT
 AGTGGACGTCGCGGAAGCCTTGTGCGTGTAGAAATGGAGCCTGGTCTTGTGTCTCCTGGTAGCCAAT
 GTTCTGATAGTTTTAACGAAGTTGTAGGGCCTGATCAAAAACGGAGAACGGCAGGATGAAGAAAGTC
 TCGGAGGGAGGGCAGGACAGACGCCCTACGCTTCCCTATGCGAATGAATCCTTCTCAGGCCCTGAAGGT
 CCGGGGCATGGTGGTGAAGAATGTCACTTGCCAGGCCCTTGGAGTAGCTTTGACATTGGATCATACTAAA
 ACCGAAGCTTGTGAGGATGGAGTGGAGTGGAGTGGTCTTGTGTTGTTGTTAGTGGTTTGTCTTCTTGAACA
 AATGCAAAAGTCAGGACTTGGTTTGAACCTTCACTCGAAATGGACAACAGAGAAAACGGGAGACCAGTGGTTC
 CGTGCTTTGGCAGATGAGAAGGCAGCTGCTTCTGGAGTTGATGGGCATTCTTCTACAGTGGAGTACC
 CGTATTGTGGAGGAAGCCGATGTGGAGATGGAACCTACCGTGTGCGGTGACTCGGGGCTGAAGGAAGAGC
 ACGTCGTGAAAGCCAGTGCACCTTACGCTGTACTGTGCCTTGTGGGAATTGTGGACTCAAACCAAC
 TGAAGAAGAAGCTGAGCAGTTGCTGCAGCTGATGACCAGCCGACCTCCTGCCACGCCGGCCGGGTTCCG
 TTTGTTTCCCTCCTTCTGTATGCTGCTGGCCTTCTCCACACTGTCAGCACGCCGGAGCAGGAGCAGC
 TGATGGTCTGTGGCTCAGCTGGATGATCAAGGAAGAGGCGTACTTTGAGAGTACATCAGGTGTCTCTGC
 TTCTTTTGGGGAGATGTTGCTATTGGTGCCATGTATTCCATAGCAACCAGCTTAGTGCTATCATTGAC
 TTAGTCTGCTCCACTTTGGGGATGAAGATTGTGATTAAGCCAAGCTCCTTAAGCAGGATGAAGACCATCT



TCACACAGGAGATCTTTACAGAGCAGGTTGTCACAGCCCATGCAGTTCGAGTTCCTGTCCAGCAACT
 GAGTGCCAACTTACTGGGTTTTGCCCATTCATTGTATTTACCAACTTCTCAGGAGTCGATCGTTTACC
 AAGCACAAAGTGTCAATAAAAGACTGGATTTACAGACAGCTATGTGAAACTTCCACTCCACTCCACCCTC
 AGCTCCTTCTCTGATTGATGTGTACATAAACTCCATACTCACTCCTGCGTCTAAGTCTAACCTGAAGC
 CACGAACCAGCCGGTCACTGAGCAGGAGATCCTGAACCTTTCCAGGAGGTCATCGGGGAGACAGCGTC
 CGCTTACCAGCGCTTCAGTATCACAGCGCAGCTTCTGGTGTCTACTATATCCTGTCTTACGAGGAAG
 CTCTCTGGCGAACACAAAGACGCTAGCTTCCATGCAGAGGAAACCCAAATCATATTCTTCTTTAAT
 GGACCAAATTCCTATCAAGTTTCTTATTGGCAGGCTCAAGGACTGCAGCAGGAGTTGGGAGGGCTGCAT
 TCAGCTTTACTACGTCTTCTAGCAACTAATTATCCACATCTGTGTATTGTGGATGACTGGATCTGTGAGG
 AGGAGATCACAGGGACTGATGCGCTGTTAAGGCGAATGCTCCTGACAAGTAATGCCAAAACCCACTCTCC
 GAAACAGTGCAGGAAGCATTTTCAGCTGTCCCTGTAAGTCACACACAAGTATGATGAGATTATGGAACAC
 TTGACTCTACTTTCTGCCAGTGAACCTATTCCATATGCAGAACTACTAACGTCCAATATGAACCAGCTGC
 TGAATTCTGGGGTCCACGGAGAATTCTCAAAGTGTCAACAAGTATGGATGGTTCTTAATACTGTGAT
 GCCAAGAAGGCTGTGGGTAAAGACGGTAAAGCACTCCAACCTTCCATAAAGTTTATACGACAACAAAA
 TATACCCAGAATGATTTGATGATAGATCCTCTCATTGTCTTGAGGTGTGACCGACGGGTTACAGGTGTC
 CCCCACTAATGGATGTTACTTTACACATGCTCAATGGGTACCTCCTTGCCTCTAAAGCTTACCTTAGTGC
 CCATCTAAAGGAAACGGCAGAGCAAGATAGACCTTCCCCGAATAATACAGTAGGCTTGGTTGGACAGACT
 GATGCCCCAGAAGTGACCAGAGAAGAACTGAAAAACGCATTACTGGCTGCTCAGGACAGTGTGCTGTCC
 AGATTCTCTTAGAAAATTTGCTTGGCCGACTGAAGAGGAAAAGGCAAAAGGTGCCAATTCAGACATCTCCCT
 CAGGAATACTCAAGGTGTACCACCATCAGCACTCCAAGTAAAGAAAACAGAAGAAGGAGAAGACAATTTG
 CTCTGTAACTTCGGGAAGTTCAGTGCCTTATCTGTTGCCTGTTACACCAATGTACATTGCAGATCCCA
 ACATTGCTAAACTTGTTCACTTTTCAGGGTATCCATGTGAACCTTCTGCCTCTGACAGTCGCAGGGATCCC
 GTCTATGCACATCTGTTGGATTTACACCGGAGCTTATTGCCAGCCAGAACTTGAAAAACAGATATTT
 GCTATACAGCTGCTTTCTCACTTGTGTATCCAGTATGCATTACCAAAGTCACTTAGTGTGGCTCGCTTAG
 CTGTCAATGTTATGGGGACTTTGCTAACAGTCTGACACAAGCTAAGCGGTACTCGTTTTTCATGCCAAC
 TCTTCAAAGTTTGGTCTCCTTTTGTGCGAGCATTCTCCTCACTGTATGAGGATATTATGTCTTTGCTAATT
 CAAATAGGACAAGTGTGTGCTCTGATGTTGCCACTCAGACAAGAGACATTGATCCAATCATTACACGTC
 TTCAACAAATAAAGGAGAAACCTAGTGGATGGTCTCAAATTTGTAAGGATCCATCTTACAAAAATGGATC
 CAGGGACACTGGAAGCATGGATCCTGATGTCCAGCTCTGTCATTGTATTGAAAGCACAATAATTGAAATA
 ATAAACATGAGTGTAGTGAATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

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).

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]