OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR231024

Ints10 (NM_001293792) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints10 (NM_001293792) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ints10
Synonyms:	4921521J11Rik; AI462004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR231024 representing NM_001293792
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGCCCAGGGCGACTGTGAGTTTCTGGTGCAGCGAGCCCGGGAACTAGTGCCCCAGGACCTGTGGG
CAGCCAAGGCATGGCTGATCACGGCCCGCAGCCTCTACCCGGCCGACTTCAACATCCAGTATGAAATGTA
CACCATCGAACGGAATGCCGAGAGGACTGCCACCGCAGGGAGGTTGCTGTATGACATGTTTGTGAATTTC
CCGGACCAGCCGGTGGTATGGAGAGAAATCAGCATCATCACGTCAGCATTGAGGAACGACTCACAAGATA
AGCAGACCCAGTTCTTACGGAGTTTATTTGAAACCCTTCCCGGTCGGGTCCAGTGTGAAATGTTGTTGAA
GGTGACAGAGCAATGCTTCAACACGCTGGAACGATCAGAAATGTTGCTGCTGCTGCTGAGGCGTTTCCCT
GAGACAGTGGTGCAACACGGGGTTGGCCTCGGGGAGGCCCTGCTGGAAGCTGAAACCATTGAAGAACAAG
ACTCTCCTGTTAACTGCTTTAGAAAGCTATTTGTTTGTGATGTCCTTCCTCTAATAATCAACAACCATGA
TGTCCGCTTGCCCGCCAATCTCTTATATAAATACTTGAACAAAGCAGCTGAATTTTACATCAACTATGTC
ACTCGGTCCACACAGTCAGAAAATCAGCATCAAGGTGCACAGGATACATCTGATTTAATGTCGCCTAGCA
AGCGTAGCTCTCAGAAGTACATAATAGAAGGACTGACTGAGAAATCATCCCACATCGTCGACCCCTGGGA
GAGGTTGTTTAAGATTCTGAATGTTGTTGGAATGAGATGCGAATGGCAGATGGATAAAGGGAGACGAAGC
TGCAGTGACCTGCTGCACCGGATGAAGGAGCTCTGCAGATACATGAACAGCTTTGACAGCGAAGCTCACA
ACAACTATAAAAACCAAGTGCTCTACTCCACGATGCTGGTGTTCTTCAAGAGTGCGTTCCAGTACGTCAG
CAGCATACAGCCATCTCTCTTCCAAGGTCCTAACGCCCCAAGCCAGGTTCCACTAATTCTTCTGGAAGAT
GTGGCCAATGTGTATGGTGATGTAGAAATTGATCGCAGTAAACACATACACAAGAAGAGGAAGCTAGCTG
AGGGAAGAGAAAAAACCATGAGTTCAGATGATGAAGAGTGTTCAGCGAAAGGCAGAAACCGGCACATTGT
TGTCAGCAAAGCTGACCTCAGCAACTCCATCGAAGTACTGGAGAGCTTCAAACTGGCCAGGGAAAGCTGG
GAGTTACTCTACTCTCTGGAATTCCTTGACAAAGAATTTACAAGAATTTGCTTGGCTTGGAAGACAGACA
CCTGGCTGTGGCTAAGAATCTTCCTCACAGATATGATCATCTACCAGGGTCAATATAAGAAGGCCATAGC
CAGTCTGCATCACTTAGCAGCTCTGCAAGGATCCCTTTCTCAGCCACAGATCACAGGACAGGGGACTTTA
GAACACCAGAGGGCGCTCATCCAGCTGGCAACGTGTCACTTTGCTCTGGGGGAGTACAGAATGACGTGCG
AGAAAGTCCTAGATCTGATGTGTTACATGGTGCTCCCCATACAAGATGGCGGGAAGCCACAGGAAGAGCC
GTCCAAAGTAAAGCCCAAGTGTAGAAAAGGTTTGGATCTGAAGCTTCTGCCCTGTACCAGTAAGGCTATC
ATGCCATACTGCCTGCACTTGATGCTGGCCTGCTTTAAGCTGAGAGCTTTTACAGACAGCAGAGACGACA
TGGCACTGGGCCATGTGATTGTACTGCTCCAGCAGGAGTGGCCACGGGGAGAGAACCTTTTCCTGAAAGC
CATCAGTAAGATTTGCCAGCAAGGAAATTTCCAGTATGAGAACTTCTTCAGCTATGTTACAAACATTGAT
ATGCTGGAGGAATTTGCTTATTTAAGAACCCAAGAAGGAGGGAAGATTCATCTGGAATTACTCCCAAATC
AAGGAATGCTGATCAAGCCTTCTAGCCCTCCCATGGGGTTGCTGCAGCAGGAATTCTTACCTGTGCTTCA
GCCCAGCATACAGACTGCTGACAGGCACCACACAGTCACTCGAGGCATCACCAAAGGTGTGAAGGAGGAC
TTCCGCCTGGCCATGGAGCGCCAGGTCTCCCGCTGTGGTGAGAACCTGATGGCGGTACTACATCGCTTCT
GCATTAATGAGAAGATCTTGCTCCTGCAGACTCTGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

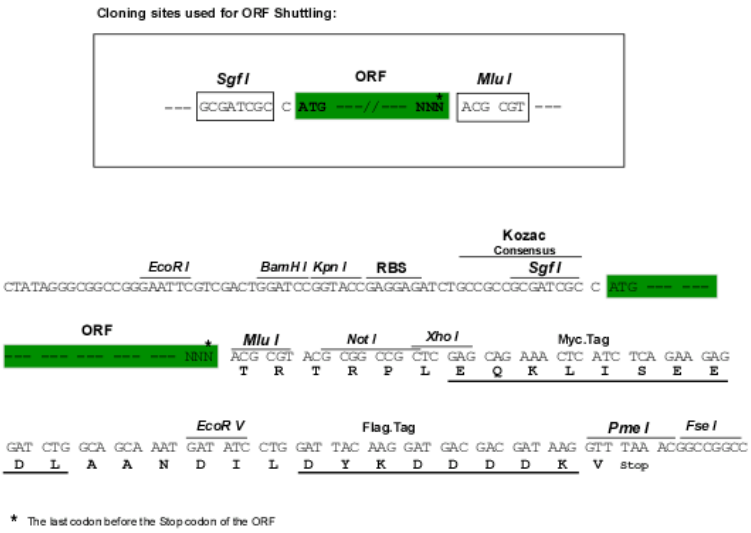
>MR231024 representing NM_001293792
Red=Cloning site Green=Tags(s)

MSAQGDCEFLVQRARELVPQDLWAAKAWLITARSLYPADFNIQYEMYTIERNAERTATAGRLLYDMFVNF
PDQPVVWREISIITSALRNDSQDKQTQFLRSLFETLPGRVQCEMLLKVTEQCFNTLERSEMLLLLLRRFP
ETVVQHGVGLGEALLEAETIEEQDSPVNCFRKLFVCDVLPLIINNHDVRLPANLLYKYLNKAAEFYINYV
TRSTQSENQHQGAQDTSDLMSPSKRSSQKYIIEGLTEKSSHIVDPWERLFKILNVVGMRCEWQMDKGRRS
CSDLLHRMKELCRYMNSFDSEAHNNYKNQVLYSTMLVFFKSAFQYVSSIQPSLFQGPNAPSQVPLILLED
VANVYGDVEIDRSKHIHKKRKLAEGREKTMSSDDEECSAKGRNRHIVVSKADLSNSIEVLESFKLARESW
ELLYSLEFLDKEFTRICLAWKTDTWLWLRIFLTDMIIYQGQYKKAIASLHHLAALQGSLSQPQITGQGTL
EHQRALIQLATCHFALGEYRMTCEKVLDLMCYMVLPIQDGGKPQEEPSKVKPKCRKGLDLKLLPCTSKAI
MPYCLHLMLACFKLRAFTDSRDDMALGHVIVLLQQEWPRGENLFLKAISKICQQGNFQYENFFSYVTNID
MLEEFAYLRTQEGGKIHLELLPNQGMLIKPSSPPMGLLQQEFLPVLQPSIQTADRHHTVTRGITKGVKED
FRLAMERQVSRCGENLMAVLHRFCINEKILLLQTLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001293792

ORF Size: 2208 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_001293792.1, NP_001280721.1

RefSeq Size: 4279 bp

RefSeq ORF: 2211 bp

Locus ID: 70885

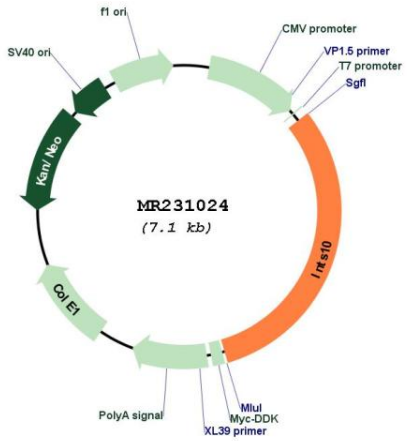
UniProt ID: Q8K2A7

Cytogenetics: 8 B3.3

MW: 85.3 kDa

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. May be not involved in the recruitment of cytoplasmic dynein to the nuclear envelope by different components of the INT complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231024