

Product datasheet for **MG210189**

Ints10 (BC031923) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints10 (BC031923) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ints10
Synonyms:	4921521J11Rik; AI462004
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210189 representing BC031923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCGGCCAGGGCGACTGTGAGTTTCTGGTGCAGCGAGCCCGGAAGTGTGCCCCAGGACCTGTGGG
 CAGCCAAGGCATGGCTGATCACGGCCCGCAGCCTCTACCGGCCGACTTCAACATCCAGTATGAAATGTA
 CACCATCGAACGGAATGCCGAGAGGACTGCCACCGCAGGAGGTTGCTGTATGACATGTTTGTGAATTTT
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 AGCAGACCCAATTCTTACGGAGTTTATTTGAAACCCCTCCCGGTCGGGTCCAGTGTGAAATGTTGTTGAA
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 GGCCATGGAGCGCCAGGTCTCCCGCTGTGGTGAGAACCTGATGGCGGTACTACATCGCTTCTGCATTAAT
 GAGAAGATCTTGCTCCTGCAGACTCTGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210189 representing BC031923
 Red=Cloning site Green=Tags(s)

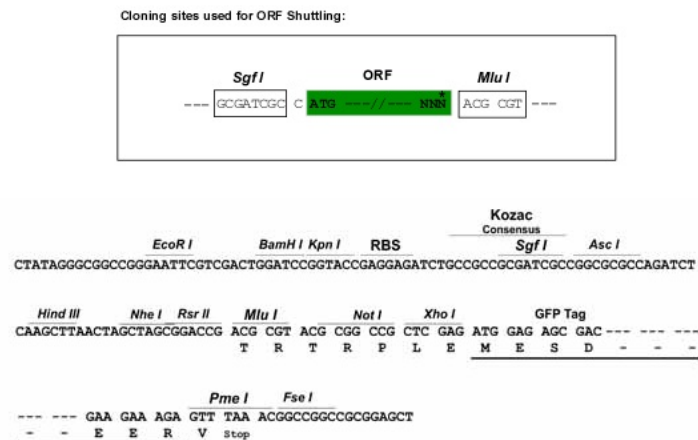
MSAQGDCEFLVQRARELVPODLWAAKAWLITARSLYPADFNIQYEMYTIERNAERTATAGRLLYDMFVNF
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 VANVYGDVEIDRSKHIHKRKLAEGREKTMSSDDEECSAKGRNRHIVVSKADLSNSIEVLESFKLARESW
 ELLYSLEFLDKEFTRICLAWKTDTWLRLIFLTDMIYQGGYKKAIASLHHLAALQGSLSQPQITGQGT
 EHQRALQLATCHFALGEYRMTCEKVLDMCYMVLPIQDGGKPQEESKVKPKCRKGLDLKLLPCTSKAI
 MPYCLHMLACFKLRAFTDSRDDMALGHVIVLLQQEWPRGENLFLKAISKICQQGNFYENFFSYVTNID
 MLEEFAYLRTQEGGKIHELLEPNQGMLIKHTVTRGITKGVKEDFRLAMERQVSRGENLMAVLHRFCIN
 EKILLQTLT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC031923

ORF Size: 2130 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: [BC031923](#), [AAH31923](#)

RefSeq Size: 2424 bp

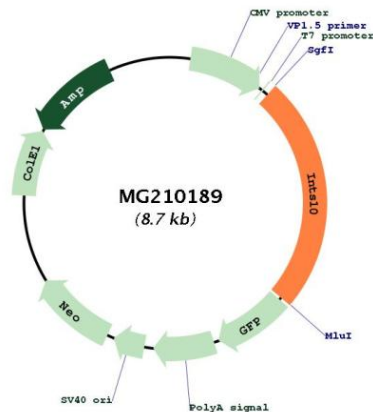
RefSeq ORF: 2132 bp

Locus ID: 70885

Cytogenetics: 8 B3.3

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 MG210189