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Product datasheet for MG209306

Ints11 (NM_028020) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints11 (NM_028020) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ints11
Synonyms:	2410006F12Rik; AU044035; Cpsf3l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG209306 representing NM_028020
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCGAGATTAGGGTCACTCCCTTGGGGGCTGGCCAGGATGTAGGCCGAAGCTGCATCTTGGTCTCCA
TTTCGGGGAAGAATGTCATGTTGGACTGTGGGATGCACATGGGCTACAATGATGACAGGCGCTTTCCTGA
CTTTTCTTACATCACCCAGAGTGGCCGCCTGACTGACTTTCTGGACTGTGTGATCATCAGCCACTTCCAC
CTGGACCATTGTGGGGCACTCCCCTACTTCAGTGAAATGGTGGGCTACGATGGACCCATCTATATGACCC
ATCCTACCCAGGCCATCTGCCCCATCCTGTTGGAAGACTACCGCAAGATTGCAGTGGACAAGAAGGGCGA
GGCCAATTTCTTCACTTCTCAGATGATCAAAGACTGTATGAAGAAGGTGGTGGCTGATCACCTGCACCAG
ACAGTTCAGGTGGATGATGAGCTGGAAATCAAGGCATACTATGCAGGCCACGTGCTGGGGGCAGCCATGT
TCCAGATTAAAGTGGGCTCGGAGTCTGTGGTCTACACGGGTGACTATAACATGACCCCAGACCGGCATTT
GGGGGCTGCGTGGATTGACAAGTGTCGCCCCAACTTGCTCATCACAGAATCCACATATGCTACAACCATC
CGAGATTCCAAACGCTGCAGAGAGCGAGATTTCCTAAAGAAAGTTCATGAAACTGTGGAGCGTGGAGGAA
AGGTGCTGATTCCTGTGTTTGCGCTGGGCCGAGCACAAGAACTCTGCATCCTGCTGGAGACCTTCTGGGA
GCGCATGAACCTGAAGGTGCCCATATACTTCTCTACGGGCCTGACAGAGAAAGCCAACCACTACTACAAG
CTCTTCATCACCTGGACCAACCAGAAGATCCGGAAGACGTTCGTCCAGAGGAACATGTTTGAGTTTAAGC
ACATCAAAGCCTTTGACCGGACATTTGCTGACAACCCAGGTCCCATGGTTGTGTTTGCCACACCTGGGAT
GCTGCATGCTGGCCAATCCCTGCAAATCTTCCGGAAGTGGGCAGGAAATGAGAAGAACATGGTCATCATG
CCTGGTTATTGTGTGCAAGGCACCGTGGGCCACAAGATCCTTAGTGGGCAACGTAAACTGGAAATGGAAG
GGCGCCAGATGCTGGAGGTAAAGATGCAAGTGGAATACATGTCCTTCAGCGCCCATGCTGATGCCAAGGG
CATCATGCAGCTGGTAGGACAAGCGGAGCCCGAGAGTGTGCTGTTGGTGCATGGCGAAGCCAAGAAGATG
GAGTTCCTGAGGCAGAAGATTGAGCAGGAATTCCGGGTCAGCTGCTACATGCCGGCCAATGGTGAGACAG
TGACGCTGCCCACAAGCCCTAGCATCCCTGTGGGCATCTCCCTGGGATTGCTGAAGCGGGAGATGGTGCA
GGGGCTGTTGCCTGAAGCCAAAAAACCTAGGCTTTTACATGGCACCCTCATTATGAAAGACAGTAATTTC
CGGCTGGTATCCTCAGAGCAAGCCCTGAAGGAGCTGGGCCTGGCAGAGCACCAACTTCGCTTCACCTGTC
GTGTGCACCTGCAGGACACACGCAAAGAACAAGAAACAGCTTTACGTGTGTACAGCCATCTCAAGAGCAC
CCTCAAGGACCACTGTGTACAGCATCTCCCCGATGGCTCTGTGACTGTGGAGTCCATTCTAATCCAGGCT
GCCGCCCATTCGGAGGACCCTGGTACCAAGGTGCTATTGGTCTCCTGGACTTACCAGGATGAAGAGCTGG
GAAGCTTCCTCACAACATTGCTCAAAAATGGCCTTCCTCAGGCTCCCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209306 representing NM_028020
Red=Cloning site Green=Tags(s)

MPEIRVTPLGAGQDVGRSCILVSISGKNVMLDCGMHMGYNDDRRFPDFSYITQSGRLTDFLDCVIISHFH
LDHCGALPYFSEMVGYDGPIYMTHPTQAICPILLEDYRKIAVDKKGEANFFTSQMIKDCMKKVVADHLHQ
TVQVDDELEIKAYYAGHVLGAAMFQIKVGSESVVYTGDYNMTPDRHLGAAWIDKCRPNLLITESTYATTI
RDSKRCRERDFLKKVHETVERGGKVLIPVFALGRAQELCILLETFWERMNLKVPIYFSTGLTEKANHYYK
LFITWTNQKIRKTFVQRNMFEFKHIKAFDRTFADNPGPMVVFATPGMLHAGQSLQIFRKWAGNEKNMVIM
PGYCVQGTVGHKILSGQRKLEMEGRQMLEVKMQVEYMSFSAHADAKGIMQLVGQAEPESVLLVHGEAKKM
EFLRQKIEQEFRVSCYMPANGETVTLPTSPSIPVGISLGLLKREMVQGLLPEAKKPRLLHGTLIMKDSNF
RLVSSEQALKELGLAEHQLRFTCRVHLQDTRKEQETALRVYSHLKSTLKDHCVQHLPDGSVTVESILIQA
AAHSEDPGTKVLLVSWTYQDEELGSFLTTLLKNGLPQAPS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

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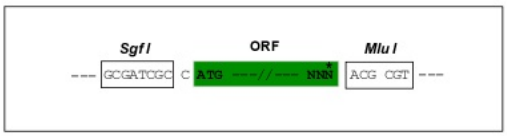
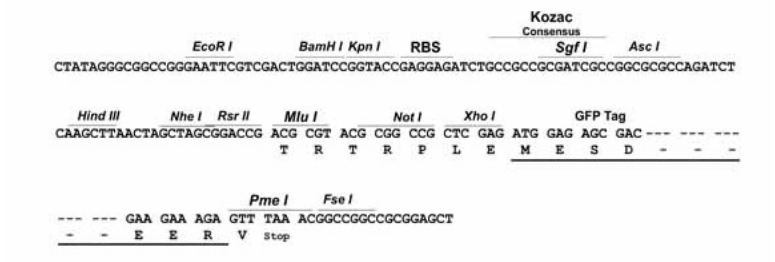
Cloning Scheme:





ACCN:	NM_028020
ORF Size:	1800 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_028020.2, NP_082296.1
RefSeq Size:	2348 bp
RefSeq ORF:	1803 bp
Locus ID:	71957
UniProt ID:	Q9CWS4
Cytogenetics:	4 87.66 cM

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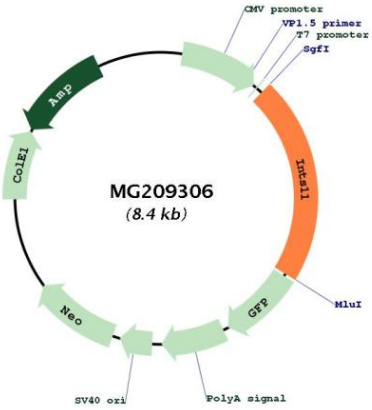
Gene Summary: Catalytic component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates the snRNAs 3' cleavage. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209306

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