

Product datasheet for **MC228813**

Ints10 (NM_001293792) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF:

>MC228813 representing NM_001293792

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCGGCCAGGGCGACTGTGAGTTTCTGGTGCAGCGAGCCCGGAAGTGTGCCCCAGGACCTGTGGG
CAGCCAAGGCATGGCTGATCACGGCCCGCAGCCTCTACCGGCCGACTTCAACATCCAGTATGAAATGTA
CACCATCGAACGGAATGCCGAGAGGACTGCCACCGCAGGAGGTTGCTGTATGACATGTTTGTGAATTTT
CCGGACCAGCCGGTGGTATGGAGAGAAATCAGCATCATCACGTCAGCATTGAGGAACGACTCACAAGATA
AGCAGACCCAGTTCTTACGGAGTTTATTTGAAACCCCTCCCGGTGGGTCCAGTGTGAAATGTTGTTGAA
GGTGACAGAGCAATGCTTCAACACGCTGGAACGATCAGAAATGTTGCTGCTGCTGAGGCGTTTCCCT
GAGACAGTGGTGAACACGGGGTTGGCCTCGGGGAGGCCCTGCTGGAAGCTGAAACCATTGAAGAACAAG
ACTCTCCTGTTAACTGCTTTAGAAAGCTATTTGTTTGTGATGTCCTTCTCTAATAATCAACAACCATGA
TGTCGGCTTGCCGCCAATCTCTATATAAATACTTGAACAAAGCAGCTGAATTTTACATCAACTATGTC
ACTCGGTCCACACAGTCAGAAAATCAGCATCAAGGTGCACAGGATACATCTGATTTAATGTCGCCTAGCA
AGCGTAGCTCTCAGAAGTACATAATAGAAGGACTGACTGAGAAATCATCCACATCGTCGACCCCTGGGA
GAGGTTGTTTAAAGATTCTGAATGTTGTTGGAATGAGATGCGAATGGCAGATGGATAAAGGGAGACGAAGC
TGCAGTGACCTGCTGCACCGGATGAAGGAGCTCTGCAGATACATGAACAGCTTTGACAGCGAAGCTCACA
ACAATAATAAAACCAAGTGCTCTACTCCACGATGCTGGTGTCTTCAAGAGTGCGTTCCAGTACGTCAG
CAGCATACAGCCATCTCTTCCAAGGTCTAACGCCCAAGCCAGGTTCCACTAATTCTTCTGGAAGAT
GTGGCCAATGTGTATGGTGATGTAGAAATTGATCGCAGTAAACACATACACAAGAAGAGGAAGCTAGCTG
AGGGAAGAGAAAAACCATGAGTTCAGATGATGAAGAGTGTTCAGCGAAAGGCAGAAACCGGCACATTGT
TGTCAGCAAAGCTGACCTCAGCAACTCCATCGAAGTACTGGAGAGCTTCAAACCTGGCCAGGGAAGCTGG
GAGTTACTCTACTCTCTGGAATTCCTTGACAAAGAATTTACAAGAATTTGCTTGGCTTGAAGACAGACA
CCTGGCTGTGGCTAAGAATCTTCTCAGAGATATGATCATCTACCAGGTCAATATAAGAAGGCCATAGC
CAGTCTGCATCACTTAGCAGCTCTGCAAGGATCCCTTTCTCAGCCACAGATCACAGGACAGGGGACTTTA
GAACACCAGAGGGCGCTCATCCAGCTGGCAACGTGTCACTTTGCTCTGGGGGAGTACAGAATGACGTGCG
AGAAAGTCTAGATCTGATGTGTACATGGTGTCTCCCATACAAGATGGCGGGAAGCCACAGGAAGAGCC
GTCCAAAGTAAAGCCCAAGTGTAAGAAAGGTTTGATCTGAAGCTTCTGCCCTGTACCAGTAAGGCTATC
ATGCCATACTGCCTGCATTGATGCTGGCTGCTTTAAGCTGAGAGCTTTTACAGACAGCAGAGACGACA
TGGCACTGGGCCATGTGATTGTACTGCTCCAGCAGGAGTGGCCACGGGGAGAGAACCTTTTCTGAAAGC
CATCAGTAAGATTTGCCAGCAAGGAAATTTCCAGTATGAGAACTTCTTCAGCTATGTTACAACATTGAT
ATGCTGGAGGAATTTGCTTATTTAAGAACCAAGAAGGAGGGAAGATTCTCTGGAATTACTCCCAAATC
AAGGAATGCTGATCAAGCCTTCTAGCCCTCCCATTGGGGTTGCTGCAGCAGGAATCTTACCTGTGCTTCA
GCCCAGCATACAGACTGCTGACAGGCACACAGTCACTCGAGGCATCACCAAAGGTGTGAAGGAGGAC
TTCCGCTGGCCATGGAGCGCCAGGTCTCCCGCTGTGGTGAGAACCTGATGGCGGTACTACATCGCTTCT
GCATTAATGAGAAGATCTTGCTCCTGCAGACTCTGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001293792

Insert Size:

2211 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001293792.1</u> , <u>NP_001280721.1</u>
RefSeq Size:	4279 bp
RefSeq ORF:	2211 bp
Locus ID:	70885
UniProt ID:	<u>Q8K2A7</u>
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon and contains another alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same length but differs in an internal segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.