

Product datasheet for **MR207360**

Ints12 (NM_027927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints12 (NM_027927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ints12
Synonyms:	1110020M19Rik; 2810027J24Rik; 4930529N21Rik; A230056J18Rik; A1666778; int12; Phf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207360 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCTACTGTGAACCTGGAACCTGATCCATTTTTCTGAAAGCACTAGTTTCTTACATTCAAAGA
 GTAAAGATTCTGCTGAAAAGCTAAAAGCGTTGCTTGTAGAGTCTTTGGCTCGGGCATTGATTCCAGTTA
 CCGTCCAACCTCAAAGGATGTGGAACCAACCAAAATTTCAAGTACAAAATCACTTTCTATTAAGCAAGAG
 CCCAAAACATCATCTAGCCTCCCTTCCGGCAGTAGTAACGGCAAAGTCTCACAGCTGAGAAGATAAAGA
 AGGAGGCTGAGAAGAGACCTGCTGATAAGATGAAAGATGCTACTGAAGGAATTGATGTTCCAAAAGAAACC
 TAGACTGGAGAAGCCAGAGACACGATCCTCTCCATTACTGTCCAACCAGCAAGGATTTGAGTATGGCT
 GACCTCTCCAGCTTTGAGGAGACTAGTGTGATGACTTTGCCATGGAGATGGGGTTGGCCTGTGTTGTTT
 GTAGACAAATGACCGTGGCATCTGGAACCAACTGGTAGAATGTCAAGAGTGCCATAACCTCTACCACCA
 AGACTGCCATAAGCCCCAGGTGACAGACAAAGAAGTGAATGACCCTCGCTGGTGTGGTACTGTGCCCGG
 TGCACTAGACAGATGAAGAGAATGGCTCAGAAAACCTCAGAAGCCACCACAGAAACCAGCGCCCACTGTTG
 TTTCTGTGACTCCAACCTGTCAAGGATCCATTAGTCAAGAAGCCAGAAACCAAACTTAAACAAGAGACAAC
 CTTCTAGCATTCAAGAGAACCGAAGTTAAGCCATCCACGGTTATTTAGGAAATTTCTTCTAGTAACAAC
 GTGTCCTCTTCACTAAGTGGCCTAACTGGATGGGCAGCTTTTGCAGCCAAAACCTTCTCAGCTGGTC
 CATCAACAGCAAAATGAATTCAGCAGCACAAAACAGTAGTGAAACCTGCTGCCTCATCTCTAACCA
 GAAGCCTGTGGGTTTACTGTTGTTGGAACATCATCCAAGGTGGAATAGGTTCCAAAATAGGTTCTGGT
 AACAGCACTAGCCCTCTGTCCCCTTGAACCCGTTCCACCCTAACCTTAGGCAAGACTGGCCTGAGTC
 GCTCAGTGAGTTGTGATAACGTCAGCAAAGTGGGCTTCTCTAGTCTAGTATTTAGTTCTGGAGGCAG
 CAGCCAATTGAGTGGGAATGAAAATAGTGCTACAACGGGGCCAGTGGAAAGTACCACCAGCAAAGCCACA
 TCAGAGACCAGCAGCAGTACCTCAGCATCTCTAAAGGTCCAACCTTCTCAAGAATCACAGCTCAACGCAA
 TGAAGCGATTACAGATGGTCAAGAAGAAAGCTGCCAAAAGAACTCAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207360 protein sequence
 Red=Cloning site Green=Tags(s)

MAATVNLELDPIFLKALGFLHHSKSKDSAEKALKALLDESLARGIDSSYRPTQKDVEPPKISSTKSLSIKQE
 PKTSSSLPSGSSNGKVLTAEKIKKEAEKRPADKMKDVTEGIDVPKPRLEKPESTRSSPITVQTSKDL SMA
 DLSSFEETSADDFAMEMGLACVVCROMTVASGNQLVECQECHNL YHQDCHKPQVTDKEVNDPRL VWYCAR
 CTRQMKRMAQKTQKPPQKPAPT VVSPTVKDPLVKKPETKPKQETTF LAFKRTEVKPSTVISGNSNN
 VSSSVTSGLTGWAAFAAKTSSAGPSTAKLNSAAQNSGKPAASSNQPVGLTGLATSSKGGIGSKIGSG
 NSTSPSVPLKPLPPLTLGKTGLSRVSCDNVSKVGLPSPSSLVPGSSQLSGNGNSATTGPSSTT SKAT
 SETSSSTSASLKGPTSQESQLNAMKRLQMVKKAAQKLLKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027927

ORF Size: 1386 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_027927.4](#)
RefSeq Size: 3014 bp

RefSeq ORF: 1386 bp

Locus ID: 71793

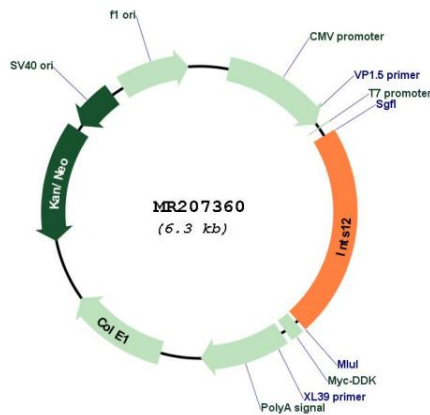
UniProt ID: [Q9D168](#)

Cytogenetics: 3 G3

MW: 48.6 kDa

Gene Summary: 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 recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207360