

Product datasheet for **MR211457**

Ints5 (NM_176843) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ints5
Synonyms:	1110055N21Rik; mKIAA1698
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR211457 representing NM_176843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCGGTGTGCGACCTCCCGGGCCCCAGGGCCACCGGGCTGCCCCGCCACCCACGGTCCC
 CGCCTCTCAGTGCTCAGGAGCTGTCCCAAGAAATCAAGGCTTTTTGACCGGTGTAGACCTATTCTGGG
 CCACCACTCTCAGCTCGTGAACATGCTCGATGTGGTCTTCTCTTGTCCGTTCTTTGCCACCTGCTCGG
 GCTGCTGTGTTGGACACTTGAGAGGTGTTTTGATGAGAGTGTCCGGGCCACCTAGCTGCCCTAGAAG
 AAAGTCTGTGGCTGGTCCACCTCACCTCCGTCACCTCCACCATCCATGTCCCTACTGGTGGACCTGG
 CTTAGAGGATGTGGTGCATGAAGTGCAGCAGGTGCTGTGTGAGTTTATCCGGGCCAACCCAAAGGCTGG
 GCACCCGTGATTAGTGCATGGTCCATTGACCTCATGGGACAACTGAGCAGCACATATTCAGTGCAGCATC
 AGCGTGTCCCATGCCACTGGCTCTCTCAATGAAGTGTGTCAGCTGTGGATGGGCTGCAGGGCCACCCG
 CACATTAATGGACATCTATGTGCAGTGCCTCTCGGCCCTATTGGTAGCTGCCAGATGCATGTGTGGAT
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 AGGAGGAGCTAGTGCTTGTGGAACCTTCTCAACCCCTCTACAGACCCCTTCCCTGGATCTCCTGCC
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 GACCTGAGGCTTGGGTCTACTGAGCAGAGCCAGAAGCCCTGAAGATTGAGTTTGGCAACCCAGCT
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 GTGATCTATAACACCCAGAGCCTCGTTAGCCTCCTAGTGCAGTGTGCAGCGCATCAGGGAACAGCGAGC
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 GAGCGTGTGCTGATGCAGCTGGTGTGAGCTGGCTGGCCCCAGAGGATCATGCAGAGCCACCGTG
 GAGCGGATCTCCGAATTGGTAGGCGCTTCCGGGAACAACCTCTGCTGTTTGAAGCTTTGAAGCTGGTAG
 CAGTGTCTCCCCAGCCCTGTGCTACTGCTCCGTGCTGCTGCGGGGCTGCTGGCTGCCCTTTGAGCCA
 TTGGGAAGCCTCTCGACACCTGATACAACCACTCCCTGGCATCTGGAGGCATCCTGTATCCTGGTG
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 GAAGTTTCATCTTCAAGTCTGAACGTGGCCGCTTATCCGGGACTTTGCCAGGGAGGTGGAGCTGAAGGA
 GGACCACATCTGTCTGTGCTGCAGTGTCTCCACCGCAACATCGATCGCTGGGGCTTCTCTGGCC
 GCTTCAAGCACCTCCGCCATCCACTCTGCTTCGGCAGGGGACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211457 representing NM_176843

Red=Cloning site Green=Tags(s)

MSALCDPPGAPGPPGAPATHGPAPLSAQELSQEIKAFLTGVDPI LGHQLSAREHARGLLLRLSPPAR
AAVL DHLRGV FDESVAH LAAL EESPVAGPPH LRPPPPSHVPTGGPGL EDVVHEVQQV LCEFI RANPKAW
APVISAWSIDL MQLSSTYSGQHQRVP HATGSLNELLQW MGCRA TRTLMDIYVQCL SALIGSCPDACVD
ALLDTSVQHSPHFDMWVVAHIGSSFGPTIISRVLSCGLKDFCVHSGAGGASACGNSSQPPSTDPFPGSPA
IPGEKRVPKIASVVGILGHLASRHGDSIRRELLRMFHD SLAGSGGRNGEPSLQATVPFLLQLAVMSPAL
LGTVSGLVDCLKPPAVLSQLQQH LGQFPREELDNMLNLA VHLVSQASGTGAYRLLQFLVDTAMPASVIT
TQGLAVPDVTREACDR LQLLLHLHLQK VHHRGSGPEGVLGPPPPRPVFDLALRNHVGLCGETLRL
ERKRF L WQHQLLGLLSVYTRPSCGPEALGHLLSRASPEELSLATQLYAGLVYSLGLLPLAFRSCLARV
HAGTLQPPFTARFLRNLALLVGWEQQGGGPSALGARFGESASAH LADLAPLLLHP EEEVAAEAAASLLAI
CPFPSEALSPS QLLGLVRAGVHHFFSSLRLHGPPGVASASQLLTRL SQTSPAGLKAVLQLLVEGALHRGN
TELFGGEMDGDNETLSIVSTPLASALLDINRRHTAAVPGPGGIWSVVFHAGVTGRGLKPKPIVQSRNHQE
VIYNTQSLV SLLVHCSSASGNSEREGCWGAPTLSPEAAKAVAVTLVESVCPDAA GAELAWPPEDHARATV
ERDLRIGRRRFPGLNLLFELLKLVAAPPA L CYCSVLLRGLLAALLSHWEASRHPDTHSPWHLEASCILV
AVMAEGSLLFPALQNMHVEFSLAAPPFVRLLLLSVWGLR HEGPLPKQFIFQSERGRFIRDFAREGGAEG
GPHLSVLHSLVHRNIDRLGLFSGRFOAPPPSTLLRGTT

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

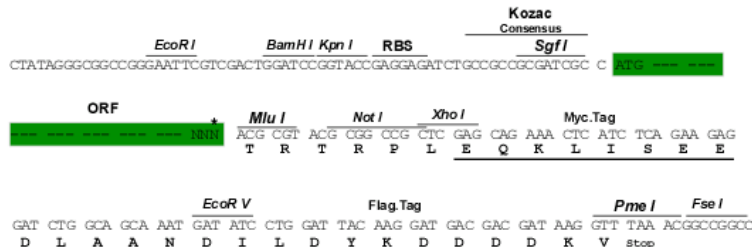
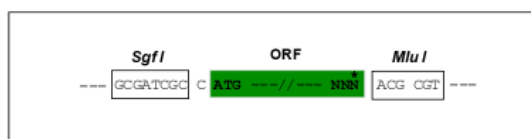
https://cdn.origene.com/chromatograms/mm9097_e04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

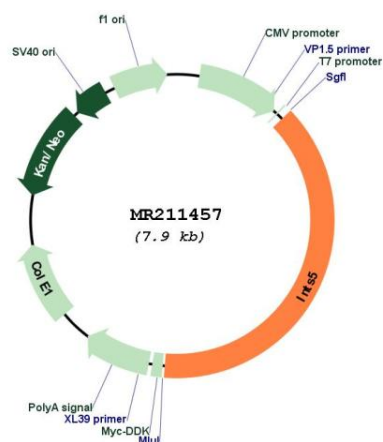
NM_176843

ORF Size:

3054 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:	NM_176843.3 , NP_789813.1
RefSeq Size:	3294 bp
RefSeq ORF:	3057 bp
Locus ID:	109077
UniProt ID:	Q8CHT3
Cytogenetics:	19 A
MW:	108.3 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. 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 MR211457