

Product datasheet for **RC232982**

INT11 (CPSF3L) (NM_001256460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INT11 (CPSF3L) (NM_001256460) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INTS11
Synonyms:	CPSF3L; CPSF73L; INT11; RC-68; RC68
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232982 representing NM_001256460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACTGTGGAATGCACATGGGCTCAATGACGACCGACGCTTCCCTGACTTCTCCTACATCACCC
 AGAACGGCCGCCTAACAGACTTCTGGACTGTGTGATCATTAGCCACTTCCACCTGGACCACTGCGGGC
 ACTCCCCTACTTCAGCGAGATGGTGGGCTACGACGGGCCATCTACATGACTCACCCACCCAGGCCATC
 TGCCCCATCTTGCTGGAGGACTACCGCAAGATCGCCGTAGACAAGAAGGGCGAGGCCAACTTCTCACCT
 CCCAGATGATCAAAGACTGCATGAAGAAGTGGTGGCTGCCACCTCCACCAGACGGTCCAGGTAGATGA
 TGAGCTGGAGATCAAGGCCTACTATGCAGGCCACGTGCTGGGGCAGCCATGTTCCAGATTAAGTGGGC
 TCAGAGTCTGTGGTCTACACGGGTGATTATAACATGACCCAGACCGACACTTAGGAGCTGCCTGGATTG
 ACAAGTCCGCCCAACCTGCTCATCACAGAGTCCACGTACGCCACGACCATCCGTGACTCCAAGCGCTG
 CCGGGAGCGAGACTTCTGAAGAAAGTCCACGAGACCGTGGAGCGTGGTGGGAAGGTGCTGATACCTGTG
 TTCGCGCTGGGCCGCGCCAGGAGCTCTGCATCCTCTGGAGACCTTCTGGGAGCGCATGAACCTGAAGG
 TGCCCATCTACTTCTCCACGGGGCTGACCGAGAAGGCCAACCACTACTACAAGCTGTTATCCCCCTGGAC
 CAACCAGAAGATCCGCAAGACTTTCGTGACAGGAACATGTTTGAGTTCAAGCACATCAAGGCCTTCGAC
 CGGGCTTTTGCTGACAACCCAGGACCGATGGTTGTGTTTGCCACGCCAGGAATGCTGCACGCTGGGCAGT
 CCCTGCAGATCTCCGGAAATGGGCCGGAAACGAAAAGAACATGGTCATCATGCCCGCTACTGCGTGCA
 GGGCACCGTCGGCCACAAGATCCTCAGCGGGCAGCGGAAGCTCGAGATGGAGGGGCGGCAGGTGCTGGAG
 GTCAAGATGCAGTGGAGTACATGTTCATCAGCGCACACGCGGACGCCAAGGGCATCATGCAGCTGGTGG
 GCCAGGCAGACCCGGAGAGCGTGTGCTGGTGCATGGCGAGGCCAAGAAGATGGAGTTCCTGAAGCAGAA
 GATCGAGCAGGAGCTCCGGTCAACTGCTACATGCGCGCAATGGCGAGACGGTACGCTGCCACACAAGC
 CCCAGCATCCCCGTAGGCATCTCCTGCTGGGGCTGCTGAAGCGGGAGATGGCGCAGGGGCTGCTCCCTGAGG
 CCAAGAAGCCTCGGCTCCTGCACGGCACCTGATCATGAAGGACAGCAACTTCCGGCTGGTGCCTCAGA
 GCAAGCCCTCAAAGAGCTGGGTCTGGCTGAGCACCAGCTGCGCTTACCTGCCGCGTGCACCTGCATGAC
 ACACGCAAGGAGCAGGAGACGGCATTGCGCGTCTACAGCCACCTCAAGAGCGTCTGAAGGACCACTGTG
 TGCAGCACCTCCAGACGGCTCTGTGACTGTGGAGTCCGTCTCCTCCAGGCCCGCCCTTCTGAGGA
 CCCAGGCACCAAGGTGCTGCTGGTCTCCTGGACCTACCAGGACGAGGAGCTGGGGAGCTTCTCACATCT
 CTGCTGAAGAAGGGCCTCCCCAGGCCCCAGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232982 representing NM_001256460
 Red=Cloning site Green=Tags(s)

MLDCGMHMGFNDRRFPDFSYITQNGRLTDFLDCVIIISHFLDHCALPYFSEMVGVDGPIYMTHTPTQAI
 CPILLEDYRKIAVDKKGANFFTSQMIKDCMKKVVAVHLHQTVQVDDLEIKAYYAGHVLGAAMFQIKVG
 SESVVYTDYDYMTPDRHLGAAWIDKCRPNLLITESTYATTIRDSKRCRERDFLKKVHETVERGGKVLIPV
 FALGRAQELCILLETFWERMNLKVPIYFSTGLTEKANHYKLFIPWTNQKIRKTFVQRNMFEFKHIAFD
 RAFADNPGPMVVFATPGMLHAGQSLQIFRKWAGNEKNMVIMPGYCVQGTGVGHKILSGQRKLEMEGRQVLE
 VKMQVEYMSFSAHADAKGIMQLVGQAEPESVLLVHGEAKKMEFLKQKIEQELRVNCPANGETVTLPTS
 PSIPVGISLGLLKREMAQGLLPEAKPRLLHGTLMKDSNFRLVSSEQALKELGLAEHQLRFTCRVHLHD
 TRKEQETALRVYSHLKSVLKDHCVQHLPDGSVTVESVLLQAAAPSEDPGTVKLVLSWTYQDEELGSFLTS
 LLKKGLPQAPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_001256460.1 , NP_001243389.1
RefSeq Size:	2275 bp
RefSeq ORF:	1716 bp
Locus ID:	54973
UniProt ID:	Q5TA45
Cytogenetics:	1p36.33
MW:	65.1 kDa
Gene Summary:	The Integrator complex contains at least 12 subunits and associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates the 3-prime end processing of small nuclear RNAs U1 (RNU1; MIM 180680) and U2 (RNU2; MIM 180690). INTS11, or CPSF3L, is the catalytic subunit of the Integrator complex (Baillat et al., 2005 [PubMed 16239144]).[supplied by OMIM, Mar 2008]