

Product datasheet for **RG232982**

INT11 (CPSF3L) (NM_001256460) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | INT11 (CPSF3L) (NM_001256460) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | INTS11 |
| Synonyms: | CPSF3L; CPSF73L; INT11; RC-68; RC68 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG232982 representing NM_001256460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACTGTGGAATGCACATGGGCTTCAATGACGACCGACGCTTCCCTGACTTCTCCTACATCACCC
 AGAACGGCCGCCAACAGACTTCTGGACTGTGTGATCATTAGCCACTTCCACCTGGACCACTGCGGGC
 ACTCCCCTACTTCAGCGAGATGGTGGGCTACGACGGGCCATCTACATGACTCACCCACCCAGGCCATC
 TGCCCCATCTTGCTGGAGGACTACCGCAAGATCGCCGTAGACAAGAAGGGCGAGGCCAACTTCTCACCT
 CCCAGATGATCAAAGACTGCATGAAGAAGTGGTGGCTGCCACCTCCACCAGACGGTCCAGGTAGATGA
 TGAGCTGGAGATCAAGGCCTACTATGCAGGCCACGTGCTGGGGCAGCCATGTTCCAGATTAAGTGGGC
 TCAGAGTCTGTGGTCTACACGGGTGATTATAACATGACCCAGACCGACACTTAGGAGCTGCCTGGATTG
 ACAAGTCCGCCCAACCTGCTCATCACAGAGTCCACGTACGCCACGACCATCCGTGACTCCAAGCGCTG
 CCGGGAGCGAGACTTCTGAAGAAAGTCCACGAGACCGTGGAGCGTGGTGGGAAGGTGCTGATACCTGTG
 TTCGCGCTGGGCCGCGCCAGGAGCTCTGCATCCTCTGGAGACCTTCTGGGAGCGCATGAACCTGAAGG
 TGCCCATCTACTTCTCCACGGGGCTGACCGAGAAGGCCAACCACTACTACAAGCTGTTATCCCCCTGGAC
 CAACCAGAAGATCCGCAAGACTTTCGTGCAGAGGAACATGTTTGAAGTCAAGCACATCAAGGCCTTCGAC
 CGGGCTTTTGTGACAACCCAGGACCGATGGTTGTGTTGCCACGCCAGGAATGCTGCACGCTGGGCAGT
 CCCTGCAGATCTCCGGAAATGGGCCGGAAACGAAAAGAACATGGTCATCATGCCCGCTACTGCGTGCA
 GGGCACCGTCGGCCACAAGATCCTCAGCGGGCAGCGGAAGCTCGAGATGGAGGGGCGGCAGGTGCTGGAG
 GTCAAGATGCAGTGGAGTACATGTTCATTCAGCGCACACGCGGACGCCAAGGGCATCATGCAGTGGTGG
 GCCAGGCAGACCCGGAGAGCGTGTGCTGGTGCATGGCAGGCCAAGAAGATGGAGTTCCTGAAGCAGAA
 GATCGAGCAGGAGCTCCGGGTCAACTGCTACATGCCGGCCAATGGCGAGACGGTACGCTGCCACAAAGC
 CCCAGCATCCCCGTAGGCATCTCCTGCTGGGGCTGCTGAAGCGGGAGATGGCGCAGGGGCTGCTCCCTGAGG
 CCAAGAAGCCTCGGCTCCTGCACGGCACCTGATCATGAAGGACAGCAACTTCCGGCTGGTGTCTCAGAG
 GCAAGCCCTCAAAGAGCTGGGTCTGGCTGAGCACCAGTGCCTCACCTGCCGCGTGCACCTGCATGAC
 ACACGCAAGGAGCAGGAGACGGCATTGCGCGTCTACAGCCACCTCAAGAGCGTCTGAAGGACCACTGTG
 TGCAGCACCTCCAGACGGCTCTGTGACTGTGGAGTCCGTCTCCTCCAGGCCCGCCCTTCTGAGGA
 CCCAGGCACCAAGGTGCTGCTGGTCTCCTGGACCTACCAGGACGAGGAGCTGGGGAGCTTCTCACATCT
 CTGCTGAAGAAGGGCCTCCCCAGGCCCCAGC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232982 representing NM_001256460
 Red=Cloning site Green=Tags(s)

MLDCGMHMGFNDRRFPDFSYITQNGRLTDFLDCVISHFHLDHCGALPYFSEMVGVDGPIYMHTPTQAI
 CPILLEDYRKIAVDKKGANFFTSQMIKDCMKVAVVHLHQTVQVDELEIKAYYAGHVLGAAMFQIKVG
 SESVVYTDYNTMPDRHLGAAWIDKCRPNLLITESTYATTIRDSKRERDFLKKVHETVERGGKVLIPV
 FALGRAQELCILLETFWERMNLKVPYIFSTGLTEKANHYKLFIPWTNQKIRKTFVQRNMFEFKHIAFD
 RAFADNPGPMVVFATPGMLHAGQSLQIFRWAGNEKNMVIMPGYCVQGTVGHKILSGQRKLEMEGRQVLE
 VKMQVEYMSFSAHADAKGIMQLVGQAEPESVLLVHGEAKKMEFLKQKIEQLRVNCPANGETVTLPTS
 PSIPVGISLGLLKREMAQGLLPEAKKPRLLHGTLMKDSNFRLVSEQALKELGLAEHQLRFTCRVHLHD
 TRKEQETALRVYSHLKSVLKDHCVQHLPDGSVTVESVLLQAAAPSEDPGTKVLLVSWTYQDEELGSFLTS
 LLKKGLPQAPS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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|-------------------------------|---|
| 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 |
| 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] |