

Product datasheet for **RG232873**

INT11 (CPSF3L) (NM_001256462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INT11 (CPSF3L) (NM_001256462) 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:

>RG232873 representing NM_001256462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTGAGATCAGAGTCACGCCCTTGGGTGCCTGCCCTGTGCTGTCTGGAACCTGGTCCCTCCACCGG
 GCAGGGGTGCGAGGGCACCTTCCAGCACAGACACCAGGACGGGATTCCATGTCTCCCCATGGCGTGAA
 TGATGAGCTGGAGATCAAGGCCTACTATGCAGGCCACGTGCTGGGGCAGCCATGTTCCAGATTAAGTG
 GGCTCAGAGTCTGTGGTCTACACGGGTGATTATAACATGACCCAGACCGACTTAGGAGCTGCCTGGA
 TTGACAAGTGCCGCCCAACCTGCTCATCACAGAGTCCACGTACGCCACGACCATCCGTGACTCCAAGCG
 CTGCCGGGAGCGAGACTTCTGAAGAAAGTCCACGAGACCGTGGAGCGTGGTGGGAAGGTGCTGATACT
 GTGTTCCGCTGGGCCGCGCCAGGAGCTCTGCATCCTCTGGAGACCTTCTGGGAGCGCATGAACCTGA
 AGGTGCCCATCTACTTCTCCACGGGCTGACCGAGAAGGCCAACCTACTACAAGCTGTTATCCCTG
 GACCAACCAGAAGATCCGCAAGACTTTCGTGCAGAGGAACATGTTTGAGTTCAAGCACATCAAGGCCTTC
 GACCGGGCTTTTCTGACAACCCAGGACCGATGGTTGTGTTTGCACGCCAGGAATGCTGCACGCTGGGC
 AGTCCCTGCAGATCTTCCGAAAATGGGCCGAAAACGAAAAGAACATGGTATCATGCCCGCTACTGCGT
 GCAGGGCACCGTCGGCCACAAGATCCTCAGCGGCAGCGGAAGCTCGAGATGGAGGGCGGCAGGTGCTG
 GAGGTCAAGATGCAGGTGGAGTACATGTATTACGCGCACACGCGGACGCCAAGGGCATCATGCAGCTGG
 TGGGCCAGGCAGAGCCGAGAGCGTGTGCTGTTGCATGGCGAGGCCAAGAAGATGGAGTTCTGAAGCA
 GAAGATCGAGCAGGAGCTCCGGGTCACTGCTACATGCCGGCCATGGCGAGACGGTACGCTGCCACA
 AGCCCCAGCATCCCCGTAGGCATCTCGCTGGGGCTGCTGAAGCGGGAGATGGCGCAGGGGCTGCTCCCTG
 AGGCCAAGAAGCCTCGGCTCCTGCACGGCACCTGATCATGAAGGACAGCAACTCCGGCTGGTGTCTCT
 AGAGCAAGCCCTCAAAGAGCTGGGTCTGGCTGAGCACCAGCTGCCCTTACCTGCCGCTGCACCTGCAT
 GACACACGCAAGGAGCAGGAGACGGCATTGCGCGTCTACAGCCACCTCAAGAGCGTCTGAAGGACCACT
 GTGTGCAGCACCTCCAGACGGCTCTGTGACTGTGGAGTCCGTCCTCCTCAGGCCCGCCGCCCTTCTGA
 GGACCCAGGCACCAAGGTGCTGCTGGTCTCCTGGACCTACCAGGACGAGGAGCTGGGGAGCTTCTCACA
 TCTCTGCTGAAGAAGGGCTCCCCAGGCCCCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232873 representing NM_001256462
 Red=Cloning site Green=Tags(s)

MPEIRVTPLGACPVLWNLVLPGRGRSAPSSTDRTRGFHVLPHGVDLEIKAYYAGHVLGAAMFQIKV
 GSESVVYTDYDYNMTPDRHLGAAWIDKCRPNLLITESTYATTIRDSKRERDFLKKVHETVERGGKVLIP
 VFALGRAQELCILLETFWERMNLKVPYIFSTGLTEKANHYKLFIPWNTQKIRKTFVQRNMFEFKHIKAF
 DRAFADNPGPMVVFATPGMLHAGQSLQIFRKWAGNEKNMVIMPYCVQGTVGHKILSGQRKLEMEGRQVL
 EVKMQVEYMSFSAHADAKGIMQLVGQAEPESVLLVHGEAKKMEFLKQKIEQELRVNCPANGETVTLPT
 SPSIPVGISLGLLKREMAQGLLPEAKKPRLLHGTLMKDSNFRVLSSEQALKELGLAEHQLRFTCRVHLH
 DTRKEQETALRVYSHLKSVLKDHCVQHLPDGSVTVESVLLQAAAPSEDPGTVKLVLLVSWTYQDEELGSFLT
 SLLKKGLPQAPS

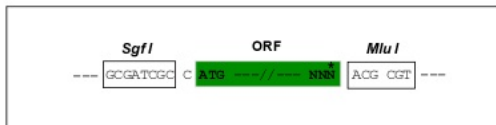
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI KpnI
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII
NheI RsrII
MluI
NotI
XhoI
GFP Tag

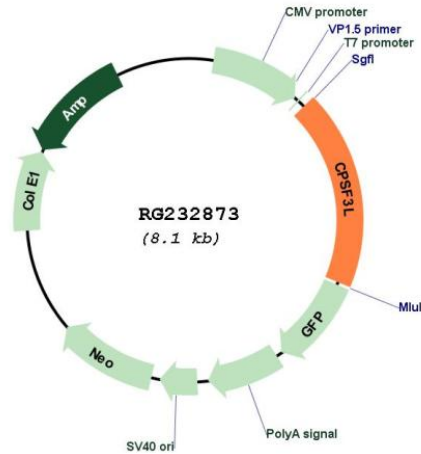
CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- --- ---

T R T R P L E
M E S D - - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: NM_001256462

ORF Size: 1506 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_001256462.1](#), [NP_001243391.1](#)

RefSeq Size: 1874 bp

RefSeq ORF: 1509 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]