OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC304817

INTS2 (NM_020748) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INTS2 (NM_020748) Human Untagged Clone
Tag:	Tag Free
Symbol:	INTS2
Synonyms:	INT2; KIAA1287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC304817 representing NM_020748.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGATCAACAAACAGTAATAATGACTGAATGTACAAGTCTTCAGTTTGTCAGCCCTTTTGCTTTT
GAGGCAATGCAGAAGGTGGATGTTGTTTGCCTGGCATCTTTAAGTGATCCAGAATTAAGACTTCTTCTG
CCCTGTTTGGTACGGATGGCACTTTGTGCACCTGCTGACCAGAGCCAAAGCTGGGCTCAGGATAAGAAA
CTCATCCTTCGCCTTCTTTCTGGAGTGGAAGCTGTCAACTCCATTGTTGCATTGTTGTCCGTGGACTTT
CATGCTTTAGAACAAGATGCCAGCAAAGAACAGCAGCTTAGGCATAAACTTGGAGGAGGCAGTGGAGAG
AGCATCCTGGTATCACAGCTTCAGCATGGACTGACGTTAGAGTTTGAACACAGTGATTCACCTCGTCGA
TTGCGTCTTGTGCTTAGTGAACTGTTGGCAATTATGAACAAGGTGTCTGAGTCCAACGGAGAATTTTTT
TTCAAGTCTTCTGAACTTTTTGAGAGTCCAGTATATTTGGAGGAAGCTGCAGATGTACTTTGTATTTTA
CAAGCAGAGCTCCCTTCCTTGCTCCCTATAGTTGATGTAGCTGAAGCTTTGCTACATGTTAGAAATGGT
GCCTGGTTCTTGTGTCTCTTGGTGGCCAATGTTCCTGATAGTTTTAATGAAGTTTGTAGGGGCCTGATA
AAAAATGGAGAACGACAAGATGAAGAAAGTCTTGGAGGAAGGCGCAGGACAGATGCCTTACGCTTCTTG
TGTAAAATGAATCCTTCTCAGGCCCTCAAGGTCCGAGGCATGGTGGTGGAAGAATGTCACTTGCCAGGC
CTTGGTGTGGCTTTGACATTGGATCATACTAAAAATGAAGCTTGTGAGGATGGAGTGAGTGACTTGGTT
TGTTTTGTAAGTGGTTTGCTTCTTGGAACAAATGCGAAAGTCCGGACTTGGTTTGGAACTTTTATCCGA
AATGGACAGCAGAGAAAAAGAGAGACCAGCAGTTCTGTCCTTTGGCAGATGAGAAGGCAGCTTCTTCTG
GAGTTGATGGGCATTCTTCCCACAGTAAGAAGCACCCGAATTGTGGAAGAAGCTGATGTGGATATGGAG
CCCAATGTGTCTGTGTATTCGGGGCTGAAAGAAGAGCATGTTGTGAAAGCCAGTGCACTCTTACGTCTG
TACTGTGCTTTGATGGGGATCGCTGGACTCAAACCAACTGAAGAAGAAGCTGAGCAATTACTGCAGTTG
ATGACGAGCCGTCCTCCTGCTACGCCAGCTGGGGTTCGCTTTGTTTCACTTTCCTTTTGTATGCTACTG
GCCTTTTCTACACTTGTCAGTACACCTGAACAGGAGCAGCTGATGGTGGTGTGGCTAAGTTGGATGATA
AAAGAAGAAGCGTATTTTGAGAGTACTTCAGGCGTCTCTGCTTCTTTTGGGGAGATGTTATTATTGGTG
GCTATGTACTTTCACAGCAACCAGCTTAGTGCTATCATTGACTTGGTCTGTTCCACTTTGGGGATGAAG

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ATTGTAATTAAGCCAAGCTCCTTGAGCAGGATGAAGACAATCTTCACACAGGAAATTTTTACTGAGCAG
GTTGTCACAGCTCATGCAGTTCGGGTCCCTGTCACCAGCAACCTGAGTGCCAACATTACTGGATTTTTG
CCTATTCATTGTATTTACCAGCTTCTCAGGAGCCGTTCCTTTACCAAGCACAAAGTGTCAATAAAAGAT
TGGATTTATAGACAGCTGTGTGAAACCTCTACTCCACTTCATCCTCAATTACTTCCTTTGATTGATGTG
TACATAAATTCTATACTTACTCCTGCGTCGAAATCTAATCCAGAAGCCACAAATCAGCCAGTCACAGAA
CAGGAGATACTCAATATTTTCCAAGGAGTCATTGGGGGTGACAACATCCGCCTTAATCAGCGTTTCAGT
ATCACAGCACAGCTTTTGGTGCTCTACTATATACTGTCTTATGAAGAGGCTCTTCTAGCAAACACGAAG
ACTTTAGCTGCCATGCAAAGAAAGCCCAAATCATATTCTTCTTCTTTAATGGATCAGATTCCTATCAAA
TTCCTTATTCGACAGGCTCAAGGGCTGCAGCAGGAGTTGGGAGGGTTGCATTCAGCTTTACTACGTCTC
CTTGCTACTAACTACCCACATTTATGTATTGTGGATGACTGGATTTGTGAAGAAGAAATCACAGGGACT
GATGCCCTGCTACGGCGAATGCTCCTGACTAATAATGCTAAAAATCATTCTCCCAAACAACTCCAAGAA
GCATTTTCAGCTGTCCCAGTAAATCACACACAAGTGATGCAGATTATAGAACACTTGACTCTACTCTCT
GCCAGTGAACTTATACCATATGCGGAAGTGTTAACATCCAATATGAGCCAGCTATTGAATTCAGGGGTT
CCACGGAGAATTCTGCAAACAGTCAATAAACTATGGATGGTTCTTAATACTGTGATGCCTAGAAGGCTA
TGGGTAATGACGGTTAATGCACTTCAGCCTTCAATAAAGTTTGTACGACAACAAAAGTATACTCAGAAT
GACCTGATGATAGATCCTCTCATTGTCCTAAGGTGTGATCAGAGGGTTCACAGATGCCCCCCACTGATG
GATATTACCCTACACATGTTGAATGGATATCTTCTTGCATCTAAAGCCTACCTTAGTGCTCATCTGAAG
GAAACAGAGCAAGATAGGCCTTCCCAGAATAATACAATTGGTTTAGTTGGACAAACTGATGCTCCGGAA
GTTACCAGGGAAGAATTGAAAAATGCATTACTGGCCGCTCAGGATAGTGCAGCTGTCCAGATTCTCTTA
GAGATTTGCCTACCTACTGAAGAGGAGAAAGCAAATGGTGTCAATCCAGATAGCTTGTTAAGAAATGTT
CAAAGTGTTATTACCACCAGCGCTCCAAATAAGGGAATGGAGGAAGGAGAAGACAATTTGCTCTGTAAC
CTTCGAGAAGTTCAGTGCCTTATCTGTTGTCTCTTGCACCAAATGTACATTGCAGATCCCAACATTGCT
AAGCTTGTTCACTTTCAGGGTTATCCATGTGAACTTTTGCCTCTGACGGTCGCAGGTATTCCATCTATG
CACATCTGTCTAGATTTCATACCTGAGCTTATTGCACAGCCAGAACTTGAGAAACAGATATTTGCTATC
CAGTTGCTTTCTCACTTGTGTATACAATATGCATTACCAAAGTCACTTAGTGTGGCTCGTTTAGCTGTC
AATGTCATGGGAACTTTGTTAACAGTTTTAACACAGGCTAAGCGGTATGCTTTTTTTATGCCAACTCTG
CCAAGTTTGGTCTCTTTTTGTCGAGCATTTCCTCCATTGTATGAGGATATTATGTCTTTGCTGATCCAA
ATAGGGCAAGTTTGTGCCTCTGATGTTGCCACTCAGACAAGAGACATTGATCCAATTATTACACGTCTT
CAACAAATAAAGGAGAAACCAAGTGGATGGTCTCAAATCTGTAAAGATTCATCTTATAAAAATGGATCC
AGGGACACTGGAAGCATGGATCCTGATGTACAGCTCTGTCACTGTATTGAAAGAACAGTAATTGAAATA
ATAAATATGAGTGTTAGTGGAATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_020748

Insert Size: 3615 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_020748.2
RefSeq Size:	5881 bp
RefSeq ORF:	3615 bp
Locus ID:	57508
UniProt ID:	Q9H0H0
Cytogenetics:	17q23.2
MW:	134.3 kDa
Gene Summary:	INTS2 is a subunit of the Integrator complex, which associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates 3-prime end processing of small nuclear RNAs U1 (RNU1; MIM 180680) and U2 (RNU2; MIM 180690) (Baillat et al., 2005 [PubMed 16239144]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).