

Product datasheet for **SC325221**

KIAA0427 (CTIF) (NM_001142397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0427 (CTIF) (NM_001142397) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTIF
Synonyms:	Gm672; KIAA0427
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001142397, the custom clone sequence may differ by one or more nucleotides

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ATGGAAAACCTCTGTCAGCATCAGCCTCCTCGGAGGCAGGGAGCAGCCGCTCCCAGGAG
ATCGAGGAGCTGGAGCGCTTCATCGACAGCTACGTGCTGGAGTACCAGGTGCAGGGGCTG
CTGGCTGACAAGACGGAGGGTGTGGCGAGAGCGAGAGGACCCAGTCCCACATCTCCCAG
TGGACAGCGGACTGCAGCGAACCCTGGACAGCAGCTGTTCTTCTCCCAGGGCGAGCC
CCCCACAGCAGAATGGCAGCAAAGACAACCTCTCTGGACATGCTGGGCACGGACATCTGG
GCGGCCAACACCTTCGATTCTTTCAGTGGTGCCACCTGGGACCTGCAGCCGGAAAAGCTG
GACTTCACCCAGTTCACCCGCAAAGTCCGACACACGCCCAAGCAGCCCTGCCACACATC
GACCGCAAGGGTGTGGCAAAGGGAAGCTGGAAGATGGGGATGGCATCAACCTGAATGAC
ATCGAGAAGGTCCTTCCAGCCTGGCAGGGCTACCACCCGATGCCCATGAAGTGGAGATC
GCACACACCAAGAAGCTGTTCCGCAGGAGGAGAAATGATCGAAGGCGGCAGCAGAGACCT
CCGGGGGGCAACAAGCCCAACAGCATGGTGACCACCAGCCAGGCAGTGCCAAACACAAC
AGGGACCACCAGAAATCCTACCAGGGGGCTCAGCACCCACCCCTCAGGGAGGCCCACT
CACCATGGCTACAGCCAGAACCCTGGCTGGCACCATGGCAACATGAAGCACCACCAGGC
GACAAGGGGGAGGCAGGCGCACACCCGAATGCCAAGAGACCATGACCATCGAGAACCCA
AAACTGGAGGACTGCAGGGGACACCGGGCACAGCAGCCTTGAGGCCCCCCGACGCCCT
GACACCCTGGCCCCGGTGGCTTCTGAGCGGCTGCCCCACAGCAGTCAAGGGGGCCAGAG
GTTGAGACAAAACGTAAGACAGTATTCTTCCCGAGCGCATCGGGGAGCGGCCAAAATT
ACCCTGCTCCAGTCTTCCAAAGACAGACTGCGGCGAAGGCTAAAGGAAAAGGTACCGGAT
GAAGTGGCCGTGGAGACGACCACTCCCCAGCAGAACAAGTGGACAAGCTGATCGAGATC
CTGAACAGCATGCGGAACAACAGCAGCGACGTGGACACCAAGCTCACCACCTTCATGGAG
GAGGCCCAAGAATCCACCAACTCCGAGGAGATGCTGGGCGAGATGCTGGCACAATCTAC
CAGAAGGCTGTGTCCGACCGCAGCTTCGCCTTCCCGCTGCCAAGCTCTGCGACAAGATG
GCGCTCTTTATGGTGGAGGGGACCAAGTTCGGAGCCTGCTCCTCAACATGCTGCAGAAG
GACTTCACGGTGCAGGAGGACTGCAGCAGCAGGACGTGGAGCGCTGGCTGGGCTTCATC
ACCTTCTGTGCGAGGTCTTCGGCACCATGCGCAGCAGCACAGGCGAGCCCTTCCGTGTG
CTCGTGTGCCCATCTACACCTGCCTCAGGGAGCTCTTGAATCTCAGGATGTGAAGGAA
GATGCTGTCTTTGCTGCTCTATGGAGCTGCAGAGTACAGGCCGGCTGCTGGAGGAACAG
CTGCTGAGATGATGACAGAGCTCCTGGCCAGCGCACGGGACAAGATGCTGTGCCCTCG
GAGTCCATGCTGACCCGGTGCCTGCTCCTAGAGGTCATCGAGCTCCACGTAACAGCTGG
AACCTCTGACGCCCCCATCACGCAGTACTACAACAGAACCATCCAGAACTGACAGCC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001142397
- 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:	<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:	<u>NM_001142397.1, NP_001135869.1</u>
RefSeq Size:	5828 bp
RefSeq ORF:	1803 bp
Locus ID:	9811
UniProt ID:	<u>O43310</u>
Cytogenetics:	18q21.1
Gene Summary:	<p>CTIF is a component of the CBP80 (NCBP1; MIM 600469)/CBP20 (NCBP2; MIM 605133) translation initiation complex that binds cotranscriptionally to the cap end of nascent mRNA. The CBP80/CBP20 complex is involved in a simultaneous editing and translation step that recognizes premature termination codons (PTCs) in mRNAs and directs PTC-containing mRNAs toward nonsense-mediated decay (NMD). On mRNAs without PTCs, the CBP80/CBP20 complex is replaced with cytoplasmic mRNA cap-binding proteins, including EIF4G (MIM 600495), and steady-state translation of the mRNAs resumes in the cytoplasm (Kim et al., 2009 [PubMed 19648179]).[supplied by OMIM, Dec 2009]</p> <p>Transcript Variant: This variant (2) contains an additional 5' non-coding exon, and uses an alternate donor splice site at one of the internal coding exons compared to transcript variant 1. This results in an isoform (2) with two additional amino acids compared to isoform 1.</p>