

Product datasheet for **SC319629**

C22orf28 (RTCB) (NM_014306) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C22orf28 (RTCB) (NM_014306) Human Untagged Clone
Tag:	Tag Free
Symbol:	C22orf28
Synonyms:	C22orf28; DJ149A16.6; FAAP; HSPC117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014306.2
 GGGGTCTTCTTGGAAAGCGGTGCTCTGAGAAGCCGGACTACGCGGCAGCGGCTCTTCAA
 GCGGAGCCGGGAGTTTTTGTACAGTTTTTCGCCACCATGAGTCGCAGCTATAATGATGAG
 CTGCAGTCTTGGAGAAGATCAATAAACTGCTGGAGGATCAAGAAGGGCTTCGTGCC
 AACATGCAGGTTGAAGGTGTTTTCTATGTGAATGATGCTCTGGAGAAATTGATGTTTGAG
 GAATTAAGGAATGCCTGTCGAGGTGGTGGTGGTGGCTTCCTGCCAGCCATGAAACAG
 ATTGGCAATGTGGCAGCCCTGCCTGGAATTGTTTCATCGATCTATTGGGCTTCCTGATGTC
 CATTGAGGATATGGGTTTGCTATTGGGAACATGGCAGCCTTTGATATGAATGACCCTGAA
 GCAGTAGTATCCCGAGTGGTGTGCGGTTTGACATCAACTGTGGTGTCCGCTTGTAAGA
 ACCAATTTAGATGAAAGTGATGTCCAGCCTGTGAAGGAGCAACTTGCCCAAGCTATGTTT
 GACCACATTCCTGTTGGGTGGGTCAAAGGTGTCATCCCAATGAATGCCAAAGACTTG
 GAGGAGGCCTTGGAGATGGGGTGGACTGGTCTTAAGAGAAGGGTATGCCTGGGCTGAA
 GACAAGGAGCACTGCGAGGAGTACGGAAGGATGCTGCAGGCTGACCCCAATAAAGTTTCT
 GCAAGGGCGAAGAAAAGAGGCCCTTCCTCAGTTGGGGACCCTGGGAGCAGGCAACCATTAT
 GCAGAAATCCAGTTGTGGATGAGATTTCAATGAGTATGCTGCTAAAAAATGGGCATC
 GACCATAAGGGACAGGTGTGTGTGATGATCCACAGTGGAAAGCAGAGGCTTGGGCCACAA
 GTAGCCACAGATCGCTGGTAGCTATGGAGAAGGCCATGAAGAGAGACAAGATTATAGTC
 AATGATCGGCAGTTGGCTTGTGCTCGAATCGCTTCCCCAGAGGGTCAAGACTATCTGAAG
 GGAATGGCAGCTGCTGGGAACTATGCCTGGGTCAACCGCTCTTCCATGACCTTCTTAACC
 CGTCAGGCTTTCGCCAAGGTCTTCAACACAACCCTGATGACTTGGACCTACATGTGATT
 TATGATGTTTCTACAACATTGCCAAAGTGGAGCAGCATGTGGTGGACGGAAAGGAACGG
 ACACTGTTAGTACACAGGAAGGGATCCACCCGCGCTTTCCTCCTCACCATCCCCTCATT
 GCTGTTGATTACCAACTCACTGGACAGCCAGTGTCTATTGGTGGCACCATGGGAACCTGT
 AGTTATGTTCTTACTGGCACTGAACAGGGCATGACTGAGACCTTTGGAACAACTGTCAT
 GGAGCGGGCCGTGCATTGTCCCGAGCAAAATCTCGACGTAATTTAGATTTCCAGGATGTC
 TTAGACAAATTGGCAGATATGGGAATTGCGATCCGTGTTGCCTCACCCAAACTGGTTATG
 GAAGAGGCTCCTGAGTCTATAAGAATGTGACAGATGTGGTAAATACCTGCCATGATGCT
 GGAATCAGCAAGAAAGCCATTAACTGAGACCAATTGCTGTGATCAAAGGATAGAACCTT
 GGACAGCAGGGCTGCCTGACACCACCAACCCTCTCTGAAGTGGAAAGTGGACTGACATGCT
 CTTCTGACATCAGACTCAAGCGGGACAAGTTGCAAAGTGTGCAGCTGTAAGTCTCAGC
 CCAAAATGGCTGATGGGGAGGCTGCTGCTTTCAGGGGCCGTGCTTGTAATAACCTTC
 CAGGAAGAGGCACATTGCCACCTTTGGAAAGGGAGGAATATGCCTTCTCCTTGGTTGTT
 CCACAGAGTTTTAGGAAAATCTGTTAGGGATGGGTAGATGTCAAAGTGCCTTACGCACT
 ATACTGATCTTTAGCCATCAGATTGATCTTCTTACACCAAGCTCTGTTTACATTCAGG
 AGGTGTCATGAAGAAAGTTCTGTTCAATAAGGTTTTGGAATGTTATAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014306

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:	NM_014306.2 , NP_055121.1
RefSeq Size:	2056 bp
RefSeq ORF:	1518 bp
Locus ID:	51493
UniProt ID:	Q9Y3I0
Cytogenetics:	22q12.3
Domains:	UPF0027
Gene Summary:	Catalytic subunit of the tRNA-splicing ligase complex that acts by directly joining spliced tRNA halves to mature-sized tRNAs by incorporating the precursor-derived splice junction phosphate into the mature tRNA as a canonical 3',5'-phosphodiester. May act as an RNA ligase with broad substrate specificity, and may function toward other RNAs. [UniProtKB/Swiss-Prot Function]