

Product datasheet for **SC120449**

SGF29 (NM_138414) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGF29 (NM_138414) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGF29
Synonyms:	CCDC101; STAF36; TDRD29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138414, the custom clone sequence may differ by one or more nucleotides

ATGGCCCTCGTGTCTGCCGATTCCCGCATTGCAGAACTTCTCACAGAGCTCCATCAGCTGATCAAACAAA
 CCCAGGAAGAGCGTTCGCGGAGCGAACACAACCTTAGTGAACATCCAGAAGACCCATGAGCGGATGCAGAC
 AGAGAACAAGATTTCTCCCTATTACCGGACAAAGCTGCGTGGCCTCTACACAACCGCCAAGGCCGATGCA
 GAGGCTGAGTGCAACATCCTTCGAAAGCTCTGGACAAGATCGCGGAAATCAAGTCTCTGTTGGAAGAGA
 GGCGGATTGCGGCCAAGATTGCCGGTCTCTACAATGACTCGGAGCCACCCCGGAAGACCATGCGCAGAGG
 GGTGCTGATGACCCTGCTGCAGCAGTCGGCCATGACCCTGCCCTGTGGATCGGGAAGCCTGGTGACAAG
 CCCCCACCCCTCTGTGGGGCCATCCCTGCCTCAGGAGACTACGTGGCCAGACCTGGAGACAAGGTGGCTG
 CCCGGGTGAAGCCGTGGATGGGGACGAGCAGTGGATCCTGGCCGAGGTGGTCAGTTACAGCCATGCCAC
 CAACAAGTATGAGGTAGATGACATCGATGAAGAAGGCAAGAGAGACACACCCTGAGCCGGCGCCGTGTC
 ATCCCGCTGCCCCAGTGGAAGGCCAACCCGGAGACGGACCCTGAGGCCTTGTTCCAGAAGGAGCAGCTCG
 TGCTGGCCCTGTATCCCCAGACTACCTGCTTACCGCGCCCTGATCCATGCGCCCCACAGCGGCCCA
 GGATGACTACTCGGTCTGTTTGAAGACACCTCTATGCAGATGGCTATCCCCTCCCCTCAATGTGGCT
 CAGAGATACGTGGTGGCTTGAAGGAACCAAGAAAAAGTGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138414 unedited CAAATTTTGTAAACGACTCACTATAGGGCGGCNCGCGATTTCGGCACGAGGCAGACTCCG AAAAAGGTTTCGAGGAACGCGCCTGCTCCCTCGTCGCAGTTTCCAGCCCGACGAGCTTGT TTTGTCCCGGACTCGGTGCCCCGTAGACAATGGCCCTCGTGTCTGCCGATTCCCGCATT GCAGAACTTCTCAGAGCTCCATCAGCTGATCAAACAAACCCAGGAAGAGCGTTTCGCGG AGCGAACACAACCTTAGTGAACATCCAGAAGACCCATGAGCGGATGCAGACAGAGAACAAG ATTTCTCCCTATTACCGGACAAAGCTGCGTGGCCTCTACACAACCGCCAAGGCCGATGCA GAGGCTGAGTGAACATCCTTCGGAAGCTCTGGACAAGATCGCGGAAATCAAGTCTCTG TTGGAAGAGAGGCGGATTGCGGCCAAGATTGCCGGTCTCTACAATGACTCGGAGCCACCC CGGAAGACCATGCGCAGAGGGGTGCTGATGACCCTGCTGCAGCAGTCGGCCATGACCCTG CCCCTGTGGATCGGGAAGCCTGGTGACAAGCCCCACCCCTCTGTGGGGCCATCCCTGCC TCAGGAGACTACGTGGCCAGACCTGGAGACAAGGTGGCTGCCCGGTGAAGGCCGTGGAT GGGGACGAGCAGTGGATCCTGGCCGAGGTGGTCAGTTACAGCCATGCCACCAACAAGTAT GAGGTAGATGACATCGATGAAGAAAGGCAAGAGAGACACCCCTTGAGCCGGCGCCGTGT CATTCCGCTGNCCAGTTGGAAGGCCAAACCCGAGACGGACCCTGAGGGCCTTGCCAGA AGGAGCAGCTCGTCTGGGCCCTGTATCCCAGACTACCTGCTTNTACCGCGCCCTGATC CATTGCGCCNCACAGCGGNCCCCAGNATGACTACTCGGGTCCCTGGTTGAAGACACCTNC TATGCAGATGGCTATTTCCCTNCCCTCATGTGGCTCAAAGG
Restriction Sites:	ECORI-NOT
ACCN:	NM_138414
Insert Size:	1260 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).
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:	<u>NM_138414.1</u> , <u>NP_612423.1</u>
RefSeq Size:	1157 bp
RefSeq ORF:	882 bp
Locus ID:	112869
UniProt ID:	<u>Q96ES7</u>
Cytogenetics:	16p11.2

Gene Summary:

CCDC101 is a subunit of 2 histone acetyltransferase complexes: the ADA2A (TADA2A; MIM 602276)-containing (ATAC) complex and the SPT3 (SUPT3H; MIM 602947)-TAF9 (MIM 600822)-GCN5 (KAT2A; MIM 602301)/PCAF (KAT2B; MIM 602303) acetylase (STAGA) complex. Both of these complexes contain either GCN5 or PCAF, which are paralogous acetyltransferases (Wang et al., 2008 [PubMed 18838386]).[supplied by OMIM, Apr 2010]