

Product datasheet for **MC201457**

Sgf29 (NM_029339) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sgf29 (NM_029339) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sgf29
Synonyms: 1700023O11Rik; 9530025I05Rik; Ccdc101
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC026784 sequence for NM_029339
ACCTTCGAACGCAAGTGCAGACTACCCTGTGAGGAAACGTTCCAGGGATTTCGCCTGTTCCCGCCATCGC
AGTTACCAGCGCGACGTGCTGTTTCTTCTGTCGATGCCCTTCCCAGGCCCGTCCCATGGCCCTTGT
GTCTGCTGATTCTCGAATTGCAGAGCTTCTCACAGAGCTCCATCAGCTGATCAAGCAAACCCAGGAAGAG
CGGTCGAGAAGTGAACAACTTGGTGAACATCCAGAAAACCCACGAGCGGATGCAGACAGAGAACAAGA
TTTCTCCTTATTACCGGACAAAGCTTCGAGGCCTTACACAACCGCCAAGACTGATGCGGAGGCCGAGTG
CAACATCTCCGCAAAGCGCTGGATAAGATAGCTGAGATCAAGTCTCTGTTGGAAGAGAGGCCGATTGCG
GCCAAGATCGCAGGTCTTACAATGACTCAGAGCCCCACGGAAGACCATGCGCAGAGGGGTGCTGATGA
CACTGCTGCAGCAGTCCGCCATGACCCTGCCCTCTGGATCGGGAACCTGGTGACAAGCCCCACCCCT
CTGTGGAGCCATTCCAGCCTCAGGGGACTATGTGGCCAAACCTGGAGACAAGGTGGCTGCTAGGGTGAAG
GCTGTGGAAGGGGATGAACAGTGGATCCTAGCTGAAGTAGTCAGTTACAGCCATGTACCAACAAGTATG
AGGTAGACGACATTGATGAAGAAGGCAAAGAGAGACACACCCCTGAGCCGTCGGCGCATCATCCCCTGCC
CCAGTGGAAAGCTAACCTGAGACAGACCTGAGGCCTTGTCCAGAAAGACCAGCTGGTCTGGCCCTA
TATCCCCAGACCCTGCTTCTACCGTGCCTGATCCACACCCACACAGAGGCCCTCAGGATGACTACT
CAGTCTGTTTGAAGACACCTCTTATGCAGATGGCTACTCCCCTCCCCTCAATGTGGCCAGAGGTACGT
GGTGGCTTGAAGGAGCCCAAGAAAAAGTGAATCGGGCTGGTAGGCTTGAATCTGCCACTGCCAACCTCA
TGGGAGAAGGCTACAAAGGAGTTCCTATGATCAAATAAATACTCTCCCTCTCAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_029339
Insert Size: 882 bp



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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:	<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>BC026784</u> , <u>AAH26784</u>
RefSeq Size:	1140 bp
RefSeq ORF:	882 bp
Locus ID:	75565
UniProt ID:	<u>Q9DA08</u>
Cytogenetics:	7 F3
Gene Summary:	Chromatin reader component of some histone acetyltransferase (HAT) SAGA-type complexes like the TFTC-HAT, ATAC or STAGA complexes. SGF29 specifically recognizes and binds methylated 'Lys-4' of histone H3 (H3K4me), with a preference for trimethylated form (H3K4me3). In the SAGA-type complexes, SGF29 is required to recruit complexes to H3K4me. Involved in the response to endoplasmic reticulum (ER) stress by recruiting the SAGA complex to H3K4me, thereby promoting histone H3 acetylation and cell survival.[UniProtKB/Swiss-Prot Function]