

Product datasheet for **MC221593**

Gsn (NM_146120) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsn (NM_146120) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gsn
Synonyms:	ADF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221593 representing NM_146120
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGTACCGCTCTTCACTGCTCTGCGCGTCTCCTCCTGGCGTGTGCGCACTGTGCGCTTCCC
 ATGCAGCCACCACATCACGGGGCAGGGCCCAAGAGAGGGCGCCCAAGTCTGGTGTCTGAGGCGCGGCC
 CAGCACTATGGTGGTGGAGCACCCGAATTCCTGAAGGCAGGGAAGGAGCCTGGCCTGCAGATCTGGCGT
 GTGGAGAAGTTTGACCTGGTGCCTGTGCCCCCAACCTCTATGGAGACTTCTTACGGGTGATGCCTATG
 TCATCCTAAAGACTGTGCAGCTGAGGAATGGGAATCTGCAGTATGACCTCCACTATTGGCTGGGCAATGA
 ATGCAGCCAGGATGAGAGCGGGCTGCTGCCATCTTTACTGTGCAACTGGATGACTACCTGAACGGCCGG
 GCTGTACAGCACCGTGGGTTTCAAGGCTTTGAGTCGTCACCTTCTCCGGCTACTTCAAGTCTGGACTTA
 AGTACAAGAAAGGAGGTGTGGCATCTGGATTCAAACACGTGGTACCCAATGAGGTGGTCCAGAGGCT
 CTTCCAGGTCAAAGGACCGGTGTAGTCCGTGCTACTGAGGTACCTGTGTCTGGACAGTTTCAACAAT
 GCGGACTGCTTATTCTGGACCTGGGAAACAATATCTATCAGTGGTGTGGCTCTGGCAGCAACAATTTG
 AAAGGCTGAAGGCCACACAGGTGTCCAAGGGCATCCGGGACAACGAGAGGAGTGGCCGTGCTCAAGTACA
 CGTGTCTGAAGAGGGAGGAGAGCCAGAAGCCATGCTGCAGGTGCTGGGCCCAAGCCAGCTCTGCCTGAA
 GGTACCGAGGACACAGCCAAGGAAGATGCAGCCAACCGAAGGCTGGCCAAGCTCTACAAGTCTCCAACG
 GTGCAGGTAGCATGTGAGTCTCCCTAGTGGTGTGAGAACCCCTTCCGCCAGGGCGCCCTGAGACTGA
 GGACTGCTTATCCTGGACCATGGCAGAGATGGGAAAATCTTTGTTTGGAAAGGCAAGCAGGCCAACATG
 GAGGACCGGAAGGCTGCCCTCAAACAGCCTCTGACTTCATCTCCAAGATGCAGTACCCAGGCGAGACCC
 AGTTTTCAAGTCTCCAGAGGGCGGTGAGACCCCTCTTTAAGCAGTTCTTCAAGAATGGCGGGACCC
 AGACCAGACAGACGGCCCGGCTGGGCTACCTCTCCAGCCACATTGCCAACGTGGAGCGGTACCTTTC
 GATGCTGTACGCTGCACACCTCCACCGCCATGGCCGCTCAGCACGGCATGGATGATGATGGAAGTGGCC
 AGAAACAGATCTGGAGAATTGAAGGTTCCAACAAGGTGCCAGTGGACCCTGCCACATACGGGCGATTCTA
 TGGAGGCGACAGCTACATCATTCTGTACAACCTACCGCCACGGTGGCCGCCAGGGACAGATCATCTACAAC
 TGGCAGGGTGCCAGTCTACCCAGGATGAGGTTGCTGCTTCTGCCATCCTGACTGCCAGCTGGATGAGG
 AGCTGGGAGGAACCTCTCCAGAGCCGAGTGGTCCAAGGCAAAGAGCCTGCACACCTCATGAGCTTGT
 TGGCGGGAAGCCATGATCATCTACAAGGTGGCACCTCCCGTGTGGTGGGCGAGACAGCTCCTGCCAGT
 ATCCGCTCTTCCAAGTGCAGCCAGCAGCTCTGGAGCCACCAGGCTGTGGAGGTGATGCCTAAGTCTG
 GTGCTCTGAACTCCAACGATGCCTTTGTGCTGAAAACCCCTCCGCTGCCTACCTGTGGTGGGCGCAGG
 AGCCAGTGAGGGGAGAAGACCGGCGCCAGGAGCTTCTGAAGGTGCTTCGGTCCCAGCATGTGCAGGTG
 GAAGAAGGCAGTGAGCCAGATGCCTTCTGGGAGGCTCTGGGCGGGAAGACTGCCTACCGCACATCCCCCA
 GGCTTAAGGACAAGAAGATGGATGCCCATCCTCCTCGACTCTTTGCTGCTCCAACAGGATCGGACGCTT
 TGTGATCGAAGAGGTTCTGGCGAGCTTATGCAGGAAGACCTGGCTACTGATGACGTGATGCTCCTGGAC
 ACCTGGGACCAGGCTTTGTCTGGGTTGAAAAGACTCCAGGAAGAGGAAAAGACGGAAGCCTTGACTT
 CTGCTAAGCGGTACATCGAGACAGATCCAGCAAATCGGGACAGGGCGACCCCATCACAGTCGTTAGGCA
 GGGCTTTGAGCCTCCTTCTCGTGGGCTGGTTCCTCGGCTGGGATGACAACTACTGGTCCGGTGGATCCT
 TTGGACCGGCCCTTGCTGAGCTGGCTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3041_b03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_146120

Insert Size: 2343 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:	<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_146120.4 , NP_666232.2
RefSeq Size:	2663 bp
RefSeq ORF:	2343 bp
Locus ID:	227753
UniProt ID:	P13020
Cytogenetics:	2 23.5 cM
Gene Summary:	<p>Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. Plays a role in ciliogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>