

Product datasheet for **MC202684**

Gak (NM_153569) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gak (NM_153569) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gak
Synonyms: D130045N16Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060622 sequence for NM_153569
GATGGCCGGGTTGTTTCGCCCGCAGCTGCTAACC CGGCAGTGCGGAGCTGGAGCCTGGCTCCCGCTGCCG
GGAGCGCCGACGCCATGCTGCTGCTGCGAGTCTGCGCTGGACTTCTGGCGGGCCCTGGTCTCTTGCGG
GAGCTGCGGGCCGTGATCAGAGTGACTTCGTGGGGCAGACAGTGAGCTGGGCGAGCTGCGTCTGCGGGT
GCGGCGGGTCTGGCCGAGGGAGGGTTTGTCTTTGTTTATGAAGCTCAAGATCTGGGAAGTGGCAGAGAG
TATGCATTAAAGCGATTACTATCCAATGAAGAGGAAAAGAACAGAGCCATCATTAGGAAAGTTGTCTTCT
TGAAAAAACTTTTGGCCACCCCAATATGTCCAGTTCTGCTCTGCAGCATCCATAGGAAAAGAGGAGTC
GGACACTGGGCAGGCTGAGTTCTCCTGCTTACGGAGCTTTGTAAAGGACAGCTGGTGGAGTTTCTCAAG
AGAGTTGAATGTAAGGTCTCTGTCTGCGACAGCATTCTGAAGATCTTCTACCAGACATGCAGAGCAG
TGCAGCACATGCACAGGCAGAAACCACCCATCATCCACAGAGATCTCAAGTTGAAACTTACTGCTTAG
TAACCAGGGGACCATTAAGCTGTGTGACTTTGGCAGTGCCACAACCATCTCCCATTATCCTGACTACAGC
TGGAGTGCCAGAAAGCGAGCCATGGTGGAGGAAGAGATCAAAAGGAACACCACCCCATGTACAGAACAC
CAGAAATTGTAGACCTGTATTCCAACCTCCCATTTGGCGAAAAGCAGGATATCTGGGCACTGGGCTGTAT
CTTATACTGCTGTGTTCCGGCAGCATCCTTTTGAGGATGGAGCAAACTTCGGATAGTCAATGGGAAG
TATTCCATTCTGTGAATGACACTCGTTACACAGTCTTCCATGACCTTATTCGTGCCATGCTAAAGGTCA
ACCCAGTGGAGAGGCTGTCCATTGCTGAAGTGGTCCGACAACCTGCAGGAAATGCAGCAGCTAGGAATGT
GAACCCCAAAGCTCCCATCACAGAGCTGCTGGAGCAGAATGGTGGCTATGGGAACCTCAGGGCCTCCCGA
GCACAACCACCTTGGCGGGGCACCGTGAACAGCAGTGGAGTTTGGCTCTGGCAGAGTATGACCAGCCCT
ACGGTGGGTTTCTTGATATTCTGCGGGGTGGGACCGAACGGCTCTCACCAACCTCAAGGATACTTCCTC
CAAGGTACCCAGTCTGTGGCTAACTATGCAAAGGGTGTCTGGACATATCTTACATCACATCCAGGATT
GCAGTGATGTCATTCCAGCAGAAGGTGTGGAGTCTGCAATCAAAAACAATATAGAGGATGTGCGAATGT
TTCTGGATGCTAAGCATCCAGGACATTATGCTGTCTACAACCTTTCTCCAAGGATATACCGGGCTTCCAA
GTTTCACAACCGGTCACTGAGTGTGGCTGGGCAGTCAAGCGGGCACCACATCTCCACAGTTTGTACT
CTATGTAGGAGCATGCATGCCTGGCTCCGGGAAGACCACAGGAACGTCTGTGTTGTGCATGGATG
GGAGAGCTGCATCTGCTGTGGCAGTCTGTGCATTCTGTGCTTCTGCCGTCTCTCAGCACTGCAGAGGC
TGCTGTGTACATGTTAGCATGAAGCGCTGCCACCAGGCATTTGGCCATCCCAAAAAGGTACATTGAA
TATGTATGTGACATGGTGGCAGAGGAGCCATCACGCCCATAGCAAGCCAATGCTGGTGAATCTGTTG



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TCATGACCCCGTGCCACTGTTTCAGCAAGCAGAGGAATGGCTGCCGACCGTTCTGTGAGGTCTACGTTGG
 AGAGGAGCGTGTACCACCACGTCGCAGGAATATGACAGAATGAAGGAATTTAAAATTGAGGATGGCAAG
 GCTGTCATCCCCCTGGGCGTAACAGTTCAAGGAGACGTGCTCATCATCTACCATGCCAGGGCCACAC
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 TAATATTTGATGTGGCATGCTGGCTGCCCCACAGGAGCTGTACAGCCGAAGAAGGTGTTGATCTCCT
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 ACTGACCTGTTGAGCTGCCTTCTGAACCATCTGATGCTCTCAAGTAGGCCTCCTGGTACCTGCTTG
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 AGTCCCTGACACTGTGGACCCATTTGACCAGTTCCTGCTGTCATCCAACCTCAGACACCCAGCCCTGCTCC
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 ACAGTGCCCCACCCCATCTGTAGCACTGCCTTCTGCACCTAGGGGATCTGCCAGCAGAGCCAGCAA
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 GAGCCTCTGAACAGCTAAGGTCTCACTTCAAGTGTGATCGGGGCCGAGAAGAGAGGGGCGTCCGTGTGCC
 CAGCTTTGCCAAAAGCCAAAGGTCTCAGAAAATGATTTTGAAGATCTTCTGCCTAATCAAGGCTTCTCT
 AAGTCTGACAAGAAGGGGCCAAAGACCATGGCAGAGATGCGGAAACAGGAACTTGCAGAGATACAGACC
 CACTCAAATGAAGCTTTTGGACTGGATTGAAGGCAAGGAGAGGAAACATTCGTGCACTGCTGCTCACTCT
 GCACACGGTATTGTGGGATGGGAGAGCCGCTGGACACCTGTGAGTATGGCTGACCTGGTACTCCAGAG
 CAGGTGAAGAAGCAGTACCGCCGTGCAGTCTGGTAGTTCATCCTGATAAGGCCACAGGGCAGCCGTATG
 AACAGTATGCCAAGATGATCTTTCATGGAGCTGAATGATGATGGTCTGAGTTTAAAACCCAGGGCTCGAG
 GCCCTCTTCTGAGGCCTGTGATGGCTATGGCTGCAGGAGCTGTTTCATGAATCCTGAATGCTGCTGGCCT
 GACTGAGGCACAAATGGGACCATAACAGGTGTGGCAGGTGATATCGCCCCAGGGGCTGGACCATCTACT
 CCCAATCATCCCTGCATTCATGACAAATACCATTCCATGGCTGGGAGAGAAAGCATTCTCAGATC
 TGATGTTAGTTGTTTTGTTTTCTTTTCTTGTACCAGAGGAAAAGTGTGATTTATATTCCTTCCACAG
 CTGTCACAGTTTGTGATTTACTTGGTGTCTGGTGGCTGTACCTCTTGGATGGCAGATGTCGCTGGCACT
 TCTCTCCTGTCAATTTCTCAAATATGGGGTACATCCACATCCTACTCTGATCAGTTTGCCAAATCATCTGT
 ACATAATAACTATTTTCTGATGGCTGGTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA

- Restriction Sites:** AscI-NotI
- ACCN:** NM_153569
- Insert Size:** 3918 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: [BC060622](#), [AAH60622](#)

RefSeq Size: 4486 bp

RefSeq ORF: 3918 bp

Locus ID: 231580

UniProt ID: [Q99KY4](#)

Cytogenetics: 5 F

Gene Summary: Associates with cyclin G and CDK5. Seems to act as an auxilin homolog that is involved in the uncoating of clathrin-coated vesicles by Hsc70 in non-neuronal cells. Expression oscillates slightly during the cell cycle, peaking at G1 (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).