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Product datasheet for RN215048

Gak (NM_031030) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gak (NM_031030) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gak
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215048 representing NM_031030 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCGCTGCTGCAGTCTGCACTGGACTTCCTGGCGGGCCCTGGTTCTCTTGGCGGAGCTGCCGGCCGTG ACCAGAGTGACTTCGTGGGGCAGACTGTGGAGCTGGGCGAGCTGCGTCTGCGGGTGCGGCGGGTCCTGGC CGAGGGAGGGTTTGCATTTGTTTATGAAGCTCAAGATCTGGGAAGTGGCAGAGAGTATGCATTAAAGAGA TTACTATCCAATGAAGAGGAAAAGAACAGAGCCATCATTCAGGAAGTATGTTTCTTGAAAAAACTTTCTG GCCACCCCAATATTGTCCAGTTCTGCTCTGCAGCATCCATAGGAAAAGAGGAATCGGACACTGGGCAGGC TGAGTTCCTCCTGCTTACGGAGCTCTGTAAAGGACAGCTGGTGGAGTTTCTCAGGAGAGTTGAATGTAAA GGCCCTCTATCCTGCGACAGCATTCTGAAGATCTTCTACCAGACATGCAGAGCAGTGCAGCACATGCACA GGCAGAAACCACCCATCATCCACAGGGATCTCAAGGTTGAAAACTTACTGCTTAGTAACCAGGGGACCAT TAAGCTGTGTGACTTTGGCAGTGCCACAACCATCTCCCATTATCCTGACTACAGCTGGAGCGCCCAGAAG CGAGCAATGGTGGAGGAAGAGATCACGAGGAACACCACACCCATGTACAGAACGCCAGAAATTGTAGACC TGTATTCTAACTTCCCTATTGGCGAAAAGCAGGATATCTGGGCACTGGGCTGTATCTTATACCTGCTGTG TTTCCGGCAGCATCCTTTTGAAGATGGAGCAAAACTTCGGATAGTCAATGGGAAGTATTCCATTCCTGTG AATGACACTCGTTACACAGTCTTCCATGACCTTATTCGTGGCATGCTAAAGGTCAATCCAGAAGAGAGGC TATCCATTGCTGAAGTTGTCCGACAACTGCAGGAAATTGCAGCAGCCCGGAATGTGAACCCCAAAGCCCC CATCACAGAACTTCTGGAGCAGAATGGTGGCTATGGGAACTCAGGGCCTTCCCGAGCACAACCACCTTCT GGGGGCCCTGTGAACAGCAGTGGAGTTTTGGCTCTGGCAGAGTATGACCAGCCCTATGGTGGGTTTCTCG ATATCCTACGGGGTGGGACAGAACGGCTCTTCACCAACCTCAAGGATACTTCCTCCAAGGTCATCCAGTC TGTGGCTAACTATGCAAAGGGCGATCTTGACATATCTTACATCACATCCAGGATTGCAGTGATGTCGTTC CCAGCAGAAGGTGTGGAGTCAGCAATCAAAAACAATATAGAGGATGTACGATTGTTTCTGGATGCCAAGC ATCCAGGACATTATGCTGTCTACAACCTTTCTCCAAGAATATACCGGGCTTCCAAGTTCCACAATCGGGT CACTGAGTGTGGCTGGGCAGTCAGGCGGGCACCACATCTCCACAGTTTGTATACTCTATGCAGGAGCATG CATGCCTGGCTCCGGGAAGACCACAGGAACGTCTGTGTTGTACATTGCATGGATGGGAGAGCTGCGTCTG CTGTGGCAGTCTGTGCATTCCTGTGCTTCTGCCGTCTCTTCAGCACTGCAGAGGCTGCTGTGTACATGTT CAGCATGAAGCGCTGCCCACCAGGCATTTGGCCATCCCACAAAAGGTACATTGAATACGTGTGTGACATG

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GTGGCAGAGGAACCCATCACGCCCCACAGCAAGCCAATGCTGGTGAAATCTGTTGTCATGACCCCTGTGC
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TTTTGGACTGGATTGAAGGCAAAGAGAGGAATATTCGTGCACTGCTGTCCACTCTGCACACAGTATTGTG
GGATGGGGAGAGCCGCTGGACACCTGTGAGTATGGCTGACCTGGTGACTCCAGAGCAGGTGAAGAAGCAG
TACCGCCGTGCAGTGCTGGTAGTGCATCCTGATAAGGCCACAGGGCAGCCATATGAACAGTCTGCCAAGA
TGATCTTCATGGAGCTGAATGATGCATGGTCTGAGTTTGAAAACCAGGGCTCAAGGCCCCTCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031030

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:	NM_031030.2, NP_112292.1
RefSeq Size:	4453 bp
RefSeq ORF:	3918 bp
Locus ID:	81659
UniProt ID:	P97874
Cytogenetics:	14p22
Gene Summary:	may be a serine/threonine protein kinase; may be involved with nucleotide metabolism [RGD, Feb 2006]