

Product datasheet for **MC200142**

Nagk (NM_019542) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nagk (NM_019542) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nagk
Synonyms: Gnk
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004689 sequence for NM_019542
 CCCACGCGTCCGGCGGGAGCGAAGTCACGGCTAGGGTCGAGGTTGCTACGGCGGACCAGCGGTGGCAACG
 GTAGTATGGCCCGCTTTATGGTGGCGTGAAGGGGGAGGCACACGGTCCAAAGTCCTTTTACTTTCTGA
 GGATGGGCAGATCCTGGCAGAAGCAGATGGACTGAGCACAAACCACTGGCTGATTGGCACAGACCAGTGT
 GTGGAGAGGATCAATGAGATGGTGGACAGGGCCAAACAGAAGGCTGGAGTGGATCCTCTGGTGCCCTTC
 GAAGCCTGGGCCTGTCCCTGAGTGGTGGGAGCAGGAGGATGCAGTGAGGCTCCTGATTGAGGAGTTGAG
 GCACCGCTTTCCCAACCTGAGTGAACACTACTTAATCACACGGATGCAGCAGGTTCCATCGCCACAGCC
 ACACCGGACGGTGGGATTGTGCTCATCTCTGGAACAGGCTCCAACCTGTAGGCTTATCAACCCTGATGGCT
 CCGAGAGTGGCTGTGGAGGCTGGGGCCACATGATGGGAGACGAGGGCTCAGCCTACTGGATTGCACACCA
 AGCTGTGAAAATTGTGTTTATTCCATCGACAACCTGGAGGCAGCTCCTCATGATATTGGCCATGTCAAG
 CAGGCCATGTTGACTATTTCCAGGTGCCAGATCGGCTTGAATCCTCACCCATTTGTATAGGGACTTTG
 ATAAATGCAAGTTTGGCTGGATTTTGGCAGAAAATTGCAGAAGGTGCACATCAGGGAGACCCTCTTTCCAG
 GTACATCTTCAGGAAGGCTGGAGAGATGCTGGGCAGACATGTTGTGGCAGTATTGCCAGAGATTGACCCG
 GTTTTGTTCGAAGGGGAGCTTGGCTCCCCATTCTGTGTGGGCTCAGTGTGGAAGAGCTGGGAGCTCC
 TGAAGGAAGGCTTCTCCTGGCGCTGACGCTGGGCCGAGAGCAGCAGGCACAGAACTCCTTCTCCAGCTT
 CACCCTGATGAAGTTGCGGCATTCTTCTGCATTGGGGGTGCCAGCCTGGGGCCAGGCACATTGGATAC
 CACCTTCCCATGGACTACAGTATCAATGCCATTGCCTTCTATTCTATACCTTCTAGAGTCTGTCCCCT
 GCCCAACCAGCCAACACCGAGAGCTGGGAGACTTCTTTTTAAAAAACACATATGGAAGAAAATAAATG
 CACTTTACTCCTCCCTAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019542
Insert Size: 1032 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:	BC004689 , AAH04689
RefSeq Size:	1229 bp
RefSeq ORF:	1032 bp
Locus ID:	56174
UniProt ID:	Q9QZ08
Cytogenetics:	6 C3
Gene Summary:	Converts endogenous N-acetylglucosamine (GlcNAc), a major component of complex carbohydrates, from lysosomal degradation or nutritional sources into GlcNAc 6-phosphate. Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway. Also has ManNAc kinase activity.[UniProtKB/Swiss-Prot Function]