

Product datasheet for **SC320640**

N acetylglucosamine kinase (NAGK) (NM_017567) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: N acetylglucosamine kinase (NAGK) (NM_017567) Human Untagged Clone
Tag: Tag Free
Symbol: N acetylglucosamine kinase
Synonyms: GNK; HSA242910
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_017567.2
GCGGGGAGAGACGCAAACGGCGGGACCAGCAGCGACGGTAGCAGCAGCATGGCCGCGATC
TATGGGGGTGTAGAGGGGGAGGCACACGATCCGAGGTCCTTTTAGTCTCAGAGGATGGG
AAGATCCTGGCAGAAGCAGATGGACTGAGCACAACCCTGGCTGATCGGGACAGACAAG
TGTGTGGAGAGGATCAATGAGATGGTGAACAGGGCCAAACGAAAAGCAGGGTGGATCCT
CTGGTACCCTGCGAAGCTTGGCCTATCTCTGAGCGGTGGGACCAGGAGGACGCGGGG
AGGATCCTGATCGAGGAGCTCAGGGACCGATTTCCCTACCTGAGTGAAAGCTACTTAATC
ACCACCGATGCCCGCGCTCCATCGCCACAGCTACACCGATGGTGGAGTTGTGTCATA
TCTGGAACAGGCTCCAACCTGCAGGCTCATCAACCCTGATGGCTCCGAGAGTGGCTGCGGC
GGCTGGGGCCATATGATGGGTGATGAGGGTTCAGCCTACTGGATCGCACACCAAGCAGTG
AAAATAGTGTGTTGACTCCATTGACAACCTAGAGGCGGCTCCTCATGATATCGGCTACGTC
AAACAGGCCATGTTCCACTATTTCCAGGTGCCAGATCGGCTAGGGATACTCACTCACCTG
TATAGGGACTTTGATAAATGCAGGTTTGCTGGGTTTTGCCGAAAATTGCAGAAGGTGCT
CAGCAGGGAGACCCCTTTCCCGCTATATCTTCAGGAAGGCTGGGGAGATGCTGGGCAGA
CACATCGTAGCAGTGTGGCCGAGATTGACCCGGTCTTGTTCAGGGCAAGATTGGACTC
CCCATCCTGTGCGTGGGCTCTGTGTGGAAGAGCTGGGAGCTGCTGAAGGAAGGTTTTCTT
CTGGCGCTGACCCAGGGCAGAGAGATCCAGGCTCAGAACTTCTTCCAGCTTACCCTG
ATGAAGCTGAGGCACTCCTCCGCTCTGGGTGGGGCCAGCCTAGGGGCCAGGCACATCGGG
CACCTCCTCCCCATGGACTATAGCGCCAATGCCATTGCCTTCTATTCTACACCTTTTCC
TAGGGGGCTGGTCCCGGCTCCACCCCTCCAAGCTCAGTGGACACTGGGTCTGAAAGGAA
GGAGTCTTTTGTCTCTTTCTCCTTTTTACAAAAACAAACATAGAAGAAAATAAATGCAC
TTTATCCACTCCCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_017567



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_017567.2 , NP_060037.2
RefSeq Size:	1535 bp
RefSeq ORF:	1035 bp
Locus ID:	55577
UniProt ID:	Q9UJ70
Cytogenetics:	2p13.3
Domains:	BcrAD_BadFG
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism
Gene Summary:	This gene encodes a member of the N-acetylhexosamine kinase family. The encoded protein catalyzes the conversion of N-acetyl-D-glucosamine to N-acetyl-D-glucosamine 6-phosphate, and is the major mammalian enzyme which recovers amino sugars. [provided by RefSeq, Nov 2011]