

Product datasheet for **SC122009**

GALK2 (NM_001001556) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALK2 (NM_001001556) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALK2
Synonyms:	GK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC122009 sequence for NM_001001556 edited (data generated by NextGen Sequencing)

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ATGCCCGTCTATATGACAGGTTACTGAAGCTAAAGGAGATGTTAACTCCAAGTTTGG
TCTATTCCTCAAGTTTTATGTTTCGAGCACCAGGAAGAGTCAACATAATAGGAGAGCATATA
GATTATTGTGGATATTCTGTTCTCCTATGGCTGTAGAACAAGATGTGCTAATAGCTGTA
GAACCTGTGAAAACGTACGCTCTCCAAGTGGCCAATACAAATCCCTTGTATCCGGACTTC
AGTACTAGTGCTAATAACATCCAGATTGATAAAAACCAAGCCTTTGTGGCACAACATTTTC
TTATGTGGACTTAAAGGAATTCAGGAACACTTTGGTCTTAGTAACCTGACTGGAATGAAC
TGCTGTAGATGGAATATCCCACCAAGTTCTGGCCTCTCCAGCTCCAGTGCTTTGGTC
TGTGTGCTGGCTTGGTACGCTCACAGTGTGGGAAGGAATCTATCCAAGGTGGAACCT
GCAGAAATCTGTGCAAGAGTGAGCGTTACATTGGCACTGAAGGAGGAGGCATGGACCAG
TCTATATCATTCTTGCAGAGAAGGAAGTCCAAAGTTGATAGAATTTAGTCTCTGAGG
GCAACCGATGTAAAACCTCCAAGTGGAGCAGTGTGGTGTGATTGCCAACAGTTGTGTGGAG
ATGAATAAGGCAGCAACTCCCATTCAATATCAGGGTGTGGAGTGTGGCTGGCTGCG
AAGCTCCTGGCTAAATACAAAAGCTTGCAATGGGACAAAGTACTGAGGCTGGAGGAGGTG
CAGGCTAAACTAGGGATTAGTCTAGAAGAAATGCTGTTGGTACAGAAAGATGCCCTTCAT
CCTGAACCTATAAACCTGAGGAGATCTGCAGGTGTCTGGGAATTAGCCTGGAGGAACTC
CGAACCCAAATCCTGAGTCCAAACTCAAGATGTGCTCATCTTCAAACCTATCAGCGG
GCAAAGCATGTGTACAGCGAGGCTGCGCGAGTGTCCAGTTTAAGAAGATATGTGAAGAA
GCACCTGAAAACATGGTCCAGCTGCTGGGAGAGTTGATGAACAGAGCCACATGAGCTGC
CGGGACATGTATGAGTGCAGCTGCCCGAGCTGGATCAGCTGGTGGACATCTGTCCGAAG
TTTGGGCTCAAGGTCACGACTTACTGGAGCAGGATGGGAGGCTGTACAGTATCAATG
GTACCTGCGGACAAGCTGCCAGCTTTCTAGCAAATGTGCACAAAAGCTTATTACCAGAGG
AGTGATGGAAGCTTAGCACCGGAGAAGTGGTTGTTGCTACCAAACCTGGAGGTGGG
GCTTTGTTTTGCTTGAGGCCTGA
    
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Clone variation with respect to NM_001001556.1
1188 c=>t

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001001556 unedited

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GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGGGACATCGTCCGGT
GCTGCAGGTCTCACCGAAGGCGTCGGAACCTGCGCTCGCATCGAGCAGTTCCAGCCTCC
TGGGTAAGGAGCAGTCTCCTCCCTTGGTGGGACTCTGGACGCATCTCATTCCGGTGAA
AGTAAGGGACAGCTTAGGACCAGAAGCCTTTCGCGGAGAAAAGGCTGACATGCCCGTCT
ATATGACAGGTTACTGAAGCTAAAGGAGATGTTAACTCCAAGTTGGATCTATTCCTCAA
GTTTTATGTTTCGAGCACCAGGAAGAGTCAACATAATAGGAGAGCATATAGATTATTGTGG
ATATTCTGTTCTCCTATGGCTGTAGAACAAGATGTGCTAATAGCTGTAGAACCTGTGAA
AACGTACGCTCTCCAAGTGGCCAATACAAATCCCTTGTATCCGGACTTCAGTACTAGTGC
TAATAACATCCAGATTGATAAAAACCAAGCCTTTGTGGCACAACATTTCTTATGTGGACT
TAAAGGAATTCAGGAACACTTTGGTCTTAGTAACCTGACTGGAATGAACTGCCTGGTAGA
TGGAAATATCCCACCAAGTTCTGGCCTCTCCAGCTCCAGTGTCTTTGGTCTGTTGTGCTGG
CTTGGTGCAGCTCACAGTGTGGGAAGGAATCTATCCAAGGTGGAACCTGCAGAAATCTG
TGCCAAGAGTGAGCGTTACATTGGCACTNGAAGGAGANGCATGGACCAGTCTATATCATT
TCTTGCAGAAAGAAAGAACTGCCAGNTGATAGAATTTAGTCTCTGAGGGGNCACCGATG
TAAACTCCCAGTGGAGCAGTGNNTTGTGATTGCCCCACAGTTGTGTGGAGAATGATAAN
GGCAGCACTTCCCATTTCATATCAGGNNNTGATGNANTGTGCTGGCTGCAAAACTCTGGC
TAAATACAAAGCTGCATGGGACAAAGACTGAGGCTGGAAG
    
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Gene Summary:

This gene encodes a highly efficient N-acetylgalactosamine (GalNAc) kinase, which has galactokinase activity when galactose is present at high concentrations. The encoded protein is a member of the GHMP kinase family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2017]

Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. The encoded isoform (2) has a shorter and alternate N-terminus, as compared to isoform 1.