

Product datasheet for **SC321371**

GALK2 (NM_002044) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GALK2 (NM_002044) Human Untagged Clone
Tag:	Tag Free
Symbol:	GALK2
Synonyms:	GK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002044.2
 CAGAAGTCTCGTGATTGCTCTGGGAGCTTTGCTTAGACACTTGAAACTACAGGAGAAAGA
 AGGATCTAGCGAAATATGGCTACAGAGGCCCTGCTACGCGTCGGGTCCAGGTGGCAGAA
 CATCCTAGGTTACTGAAGCTAAAGGAGATGTTAACTCCAAGTTTGGATCTATCCCAAG
 TTTTATGTTTCGAGCACCAGGAAGAGTCAACATAATAGGAGAGCATATAGATTATTGTGGA
 TATTCTGTTCTTCTATGGCTGTAGAACAAGATGTGCTAATAGCTGTAGAACCTGTGAAA
 ACGTACGCTCTCCAAGTGGCCAATACAAATCCCTTGATCCGGACTTCAGTACTAGTGCT
 AATAACATCCAGATTGATAAAACCAAGCCTTTGTGGCACAACTTTTCTTATGTGGACTT
 AAAGGAATTCAGGAACACTTTGGTCTTAGTAACCTGACTGGAATGAACTGCCTGGTAGAT
 GGAAATATCCCACCAAGTTCTGGCCTCTCCAGCTCCAGTGCTTTGGTCTGTTGTGCTGGC
 TTGGTGACGCTCACAGTCTGGGAAGGAATCTATCCAAGGTGGAAGTGCAGAAATCTGT
 GCCAAGAGTGAGCGTTACATTGGCACTGAAGGAGGAGGCATGGACCAGTCTATATCATT
 CTTGCAGAAGAAGGAAGTCCAAGTTGATAGAATTTAGTCTCTGAGGGCAACCGATGTA
 AAACCTCCAAGTGGAGCAGTGTGTTGATTGCCAACAGTTGTGTGGAGATGAATAAGGCA
 GCAACTTCCCATTCAATATCAGGGTGATGGAGTGTGGCTGGCTGCGAAGCTCCTGGCT
 AAATACAAAAGCTTGCAATGGGACAAAGTACTGAGGCTGGAGGAGGTGCAGGCTAAACTA
 GGGATTAGTCTAGAAGAAATGCTGTTGGTACAGAAAGATGCCCTTCATCCTGAACCCAT
 AACCTGAGGAGATCTGCAGGTGTCTGGGAATTAGCCTGGAGGAACTCCGAACCCAAATC
 CTGAGTCCAAACTCAAGATGTGCTCATCTTCAAAGTCTATCAGCGGGCAAAGCATGTG
 TACAGCGAGGCTGCGCGAGTGTCCAGTTAAGAAGATATGTGAAGAAGCACCTGAAAAC
 ATGGTCCAGTCTGGGAGAGTTGATGAACCAGAGCCACATGAGCTGCCGGGACATGTAT
 GAGTGCAGCTGCCCGAGCTGGATCAGCTGGTGGACATCTGTCCGAAGTTTGGGGCTCAA
 GGGTCACGACTTACTGGAGCAGGATGGGAGGCTGTACAGTATCAATGGTACCTGCGGAC
 AAGCTGCCAGCTTTCTAGCAAATGTGCACAAAGCTTATTACCAGAGGAGTGATGGAAGC
 TTAGCACCGGAGAAGCAAAGTTTGTGCTACCAAACCTGGAGGTGGGGCTTTGGTTTTG
 CTTGAGGCCTGAAAAATGTAAAAAGTCTGAGAGAACTACTTAGGGCACTTAGGAATTG
 GCAGGACTTTCTGTGCCACAGTAAATTAATCTTCTTCTGTTTTGTATTATGATGAACGG
 TTGCTATTATATCAAGATATATTTCAAAGAAATGTTGAAAGCTCTCTATGCTTCATAA
 TGATTCTTTTCCATCTTAAATATGGTTTTACTATTAAGAGCCAAGATCATGCTTGGAC
 AGATCTTTTAAGAATAACTTACTGAGATTTATTGATTTGAAGATTTTAAAGATGAATGGT
 AAAACACACTCTAATACTGATTACATGGATTGGACTTGAATTAATATATTGTTACAAT
 TAAACTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002044

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_002044.2 , NP_002035.1
RefSeq Size:	3121 bp
RefSeq ORF:	1377 bp
Locus ID:	2585
UniProt ID:	Q01415
Cytogenetics:	15q21.1-q21.2
Domains:	GHMP_kinases
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>