

Product datasheet for SC122549

GALK1 (NM_000154) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GALK1 (NM_000154) Human Untagged Clone
Tag: Tag Free
Symbol: GALK1
Synonyms: GALK; GK1; HEL-S-19
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000154 edited
CGGGGCTGTGCCGAGCAGCTGTGCAGAGCTGCAGGCGCGCTCATGGCTGCTTTGAGAC
AGCCCCAGGTCGCGGAGCTGCTGGCCGAGGCCCGCGAGCCTCCGGGAGGAGTTGCGGG
CCGAGCCCGAGCTGGCCGTGTACGCGCCGGCCGCGTCAACCTCATCGGGGAACACACGG
ACTACAACCAGGGCCTGGTGTGCTGCCTATGGCTCTGGAGCTCATGACGGTCTAGTGGCA
GCCCCGCAAGGATGGGCTGGTGTCTCTCCTACCACCTCTGAGGGTGCCGATGAGCCCC
AGCGGCTGCAGTTTCCACTGCCACAGCCAGCGCTCGTGGAGCCTGGGACTCCTCGGT
GGGCCAACTATGTCAAGGGAGTGATTGACTACTACCCAGCTGCCCCCTCCCTGGCTTCA
GTGCAGTGGTGGTCAGCTCAGTGCCCTGGGGGTGGCCTGTCCAGCTCAGCATCCTTGG
AAGTGGCCACGTACACCTTCTCCAGCAGCTCTGTCCAGACTCGGGCACAATAGTGCCC
GCGCCCAGGTGTGTGTCAGCAGGCCGAGCACAGCTTCGCAGGGATGCCCTGTGGCATCATGG
ACCAAGTTCATCTCACTTATGGGACAGAAAGGCCACGCGCTGCTCATTGACTGCAGTCTCT
TGGAGACCAGCCTGGTGGCACTCTCGGACCCAAAGCTGGCCGTGCTCATCACTCACTCTA
ATGTCCGCCACTCCCTGGCTCCAGCGAGTACCCTGTGCGGGCGGCCAAATGTGAAGAAG
TGGCCCGGGCGCTGGGCAAGGAAAGCCTCCGGGAGGTACAACGGGAGGCTAGAGGGCTG
CCAGGGACCTGGTGGCAAGAGGGCTTCCGGCGGGCCCGGCACGTGGTGGGGGAGATTC
GGCGCACGGCCAGGCAGCGGCCCTGAGACGTGGCGACTACAGAGCCTTTGGCCGCC
TCATGGTGGAGAGCCACCGCTCACTCAGAGACGACTATGAGGTGAGCTGCCAGAGCTGG
ACCAGCTGGTGGAGGCTGCGCTTGTGTGCTGGGGTTTATGGCAGCCGATGACGGGGC
GTGGCTTCGGTGGCTGCACGGTGACACTGCTGGAGGCCTCCGCTGCTCCACAGCCATGC
GGCACATCCAGGAGCACTACGGCGGACTGCCACCTTCTACCTCTCTCAAGCAGCCGATG
GAGCCAAGGTGCTGTGCTTGTGAGGCACCCCCAGGACAGCACACGGTGGGGTGGGGGGC
CTGCAGGCCAGTCCCACGGCTCTGTGCCGGTGGCATCTTCCATATCCGGGTGCTCAATA
AACTTGTGCTCCAA
AAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000154 unedited NCCGTTGGTATTGTATACGACTTATATAGGCGGCACGCGAATTCGCACGAGGCGGGGCTG TGCCGNGACAGCTGTGCAGAGCTGCAGGCGCGCTCATGGCTGCTTTGAGACAGCCCCAG GTCGCGGAGCTGCTGGCCGAGGCCCGGCGAGCCTCCGGGAGGAGTTCGGGGCCGAGCCC GAGCTGGCCGTGTACGCGCCGGCCGCGTCAACCTCATCGGGAAACACACGGACTACAAC CAGGGCCTGGTGTGCCTATGGCTCTGGAGCTCATGACGGTGTAGTGGGCAGCCCCCG AAGGATGGGCTGGTGTCTCTCCTCACCACCTCTGAGGGTCCGATGAGCCCCAGCGGCTG CAGTTTCCACTGCCACAGCCCAGCGCTCGCTGGAGCCTGGGACTCCTCGGTGGCCAAC TATGTCAAGGGAGTGATTCACTACTACCCAGCTGCCCCCTCCCTGGCTTCACTGCACTG GTGGTCAGCTCAGTGCCCTGGGGGTGGCCTGTCCAGCTCAGCATCCTTGAAGTGCC ACGTACACCTTCTCCAGCAGCTCTGTCCAGACTCGGGCACAATAGCTGCCCGCGCCAG GTGTGTCAGCAGGCCGAGCACAGCTTCGCATGGATGCCCTGTGGCATCATGGACCAGTTC ATCTCACTTATGGGACAGATAGGCCACGCGCTGCTCATTGACTGCAGGTCCTTGGAGACC AGCCTGGTGCCACTCTCGGACCCCAAGCTGGCCGTGCTCATCACCAACTGCTATGTCGC CACTCCCTGGCCNTCAGCGAGTACCCTGTGCGGGCGGCCAATGTGAATAAGTGGCCCGG NGCTGGGCATGGAAGCCTNCGGGAGGTACAACCTGGNAGAGCTAGAGGCTGCCAGGGAC CTGGTGG
Restriction Sites:	Please inquire
ACCN:	NM_000154
Insert Size:	1385 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:	<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_000154.1 , NP_000145.1
RefSeq Size:	1361 bp
RefSeq ORF:	1179 bp
Locus ID:	2584
UniProt ID:	P51570
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways

Gene Summary:

Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population. [provided by RefSeq, Jul 2008]