

Product datasheet for **SC119056**

BLK (NM_001715) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLK (NM_001715) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLK
Synonyms:	MODY11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_001715 edited
GTTGGAAGTTGCTCGTTGTCGCTAGGAGCCTGCTCCACTGTAAGGGTGTCTGGGATCTGAA
GAGCTATGGTGAACACCACTGAAGCATTGCCAAGGATGGGGCTGGTAAGTAGCAAAAAG
CCGGACAAGGAAAAGCCGATCAAAGAGAAGGACAAGGGCCAATGGAGCCCCCTGAAGGTC
AGCGCCCAAGACAAGGACGCCCCGCACTGCCGCCCTGGTTGTCTTCAACCACCTTACT
CCTCCACCGCCCCGATGAACACCTGGATGAAGACAAGCATTTCGTGGTGGCTCTGTATGAC
TACACCGCTATGAATGATCGGGACCTGCAGATGCTGAAGGGGGAGAAGCTACAGGTCCTG
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CCCAGTAACTTTGTGGCCGAGTGGAGAGCCTGAAAATGAAAAGTGGTTCTTTAGATCA
CAGGGTCGGAAGGAGGCTGAGAGGCAGCTTCTTCTCCAATCAACAAGGCCGGCTCCTTT
CTTATCAGAGAGAGTGAACCAACAAAGGTGCCTTCTCCCTGTCTGTGAAGGATGTCACC
ACCCAGGGGGAGCTGATCAAGCACTATAAGATCCGCTGCCTGGATGAAGGGGGCTACTAC
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TGGGCCAGGATGAATGGGAGATCCCCCGCAGTCTCTCAGGCTGGTCAAGAACTCGGG
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TACATTGTACCAGTACATGGCCAGAGGATGCCTGCTGGATTTCTGAAGACAGATGAA
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TACACGGCCCAAGAGGGGGCAAGTTCCCATCAAGTGGACAGCCCCGGAAGCCATCCAC
TTCGGGGTCTTACCATCAAAGCAGACGTGTGGTCGTTTGGAGTCTCCTGATGGAAGTT
GTCACTTATGGGCGGGTGCATACCCAGGGATGAGCAACCCGAGGTCATCCGCAACCTG
GAGCGCGGCTACCGCATGCCGCGCCCCGACACCTGCCCGCCGAGCTGTACCGCGGCGTC
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GCGCCCCGCTGCGCCCCGTGCCACCTCTGCGCGGACGACCCGACTTCCGTGCCATCCC
AGACGGGCCGGAAGGCGGGGTGTGCCTGTGCCCTTTTCTCAGACCCGGAATCCAGTGG
GCAGAGGCAGCTTCGCAGGGGTCCCCGACGGACTCCTTACCAGTGTACCCCGGGC
GAGTTACGCGGCTCTCTGTGCCCTTCAATTTGTAGAGGCTGTAAACAGTGACCTCGCAC
GGTCATCCGGAGTACTAAGCCCCAGTAAGGTGTTCAAGGACTGGTAAGCGACTGTCAACAA
GTAAGGCCCCCGTGTGGGCACCCCGTGTGGCCGCGTCCCCGCTCTGCGCCCTGCG
TGGGA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001715 unedited CAGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGAGGCTCT GATCGCAGACCGGGGTGCTGCTACCTCTGTCTGCTGCCGGCAGAAAGCCACAAGCCATG AAAAGTATTGAGATGAGAAGAATTCATCTGGGACTGGCTTTTGGCTTTAGGATGGTGTG GAAGTTGCTCGTTGTGCTAGGAGCCTGCTCCACTGTAAGGGTGTGCGGATCTGAAGAGC TATGGTAAAACACCACTGAAGCATTGCCAAGGATGGGGCTGGTAAGTAGCAAAAAGCCGG ACAAGGAAAAGCCGATCAAAGAGAAGGACAAGGGCCAATGGAGCCCCCTGAAGGTCAGCG CCCAAGACAAGGACGCCCGCCACTGCCGCCCTGGTTGTCTTCAACCACCTTACTCCTC CACCGCCCGATGAACACCTGGATGAAGACAAGCATTTCGTGGTGGCTCTGTACTACTACA CCGCTATGAATGATCGGGACCTGCAGATGCTGAAGGGGAGAAGCTACAGGTCCTGAAGG GAACTGGAGACTGGTGGCTGGCCAGGTCCTCGTACAGGAAGAGAAGGCTATGTGCCCA GTAACCTTTGTGGCCGAGTGGAGAGCCTGGAAATGAAAGGTGGTTCTTTAGATCACAGG GTCGGAAGGAGGCTGAGAGGCAGCTTCTGCTCCAATCAACAAGGCCGGCTCCTTTCTTA TCAGAGAGAGTGAANACCAACAAGGTGCCTTCTCCTGTCTGTGAAGGATGCACCACCC CNGGGGGAGCTGATCAAGCACTATNAGATCCGCTGCCTGGATGAAGGGGGCTACTACATC TCCCCCGGATCACCTTNCCTCGTNNCAGCCCTGGTGCAGCACTATTTCTAGAAGGGGG ATGGTCTATGCCAGAGCTGACCTGCCCTGTGTGCGCCCGCCGCAAATCCCTGGCCAG ATGAATGGGGATCCCCGGCAGTCTTTCAGCTGGTAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001715 unedited NNAAAATACTTGNACCGCGCCGATTCTAGNGACTAGTCTCGATTTTTTTTTTTTTTTTTT TTTTTTTCGAACGCTCGTACTTTATTGCAAAAAGCCCCGAGTCTGGAGCGCAGCCT AGGCTGGGGCTGCCCTGCTGGCGTCCGCGGGACCCAGTCTGGCTTCTGTAGCGGGCAG GGCGGGTCCACGCAGGGCGCAAAGCGGGGACCGGCCAGCACGGGGGGTGCCAGCAC GGGGGCCCTTACTTGATGACAGTCGTTACCAGTCTGAACACCTTACTGGGGCTTAGTAC TCCGGATGACCGTGCGAGGTCAGTGTACAGCCCTCTACAAATGAAGCGGCACAGAGAGG CCGCGTAACTCGCCCGGGGTACAGTCCGTGAAGGAGTCCGTCCGGGGACCCCTGCGAA GCTGCCTCGCCACTGGATTCCGGGTCTGAGAAAAGGGCACAGGCGACACCCCGCCTTC CGGGCCGCTGCGGATGGCAGGAAGTCCGGTCTGCGCGCAAAGGTGGGCACGGGGCG CAGGCGGGCGCGCCGGTAGGGCTGCAGCTCGTACTGCCGCTCGGTGGCCGTGTAGAAG TCCTCCAGCACCGACTGCAGGAACTCGAAGGTGGGCGCTCCTCGGGCCGGCTGCCCCAG CACTCGGCGATGACGCCCGGTACAGCTCGGGCGGGCAGGNTGTGCGGGCGCGGATGCG GTAGCCGCGCTCCAGGTTGCGGATGACCTCGGGGTTGCTCATCCCTGGGTATGGCACCCG CCCATAAGTGACAACCTCCATCAGGAGGACTCCAACGACCACACGCTGTGCTTTGATGGT AAGACCCCGAGTGGATGGCTCCGGGGCTGTCCACTTGATGGGAAACTTGCCCCCTC TGGGGCCGTGATTCAGTGTGATGATTN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001715
Insert Size:	2500 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_001715.2 , NP_001706.2
RefSeq Size:	2642 bp
RefSeq ORF:	1518 bp
Locus ID:	640
UniProt ID:	P51451
Cytogenetics:	8p23.1
Domains:	pkinase, SH2, TyrKc, SH3, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors. [provided by RefSeq, Aug 2010]