

## Product datasheet for **SC126228**

### **BLNK (NM\_013314) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BLNK (NM_013314) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLNK
Synonyms:	AGM4; BASH; bca; BLNK-S; LY57; SLP-65; SLP65
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_013314 edited  
 CAGAGGCTTACCATGCTGCTCCCTAGGAGGGCCAGGAAGTCTGACGTGACCACTGGACA  
 GTTATTCGTGCTCTTACAATTACCAACAGAATGGACAAGCTTAATAAAAATAACCGTCC  
 CCGCCAGTCAGAAAGTTGAGGCAGCTTCAAAAGATGGTCCATGATATTA AAAACAATGAAG  
 GTGGAATAATGAATAAAAATCAAAAAGCTAAAAGTCAAAGCACCTCCAAGTGTTCCTCGAA  
 GGGACTACGCTTCAGAGAGCCCTGCTGACGAAGAGCAGCAGTGGTCCGATGACTTTGACA  
 CGGACTATGAAAATCCAGATGAGCACTCGGACTCAGAGATGTACGTGATGCCCGCCGAGG  
 AGAACGCTGATGACAGCTACGAGCCGCTCCAGTAGAGCAGGAAACCAGGCCGTTCCACC  
 CAGCCCTGCCCTTCGCCAGAGGCGAGTATATAGACAATCGATCAAGCCAGAGGCATTCCC  
 CACCCCTCAGCAAGACACTTCCCAGTAAGCCAGCTGGCCTTCAGAGAAAAGCAAGGCTCA  
 CCTCCACCCTGCCGGCCCTGACTGCTTTGCAGAAAACCTCAAGTCCCACCCAAACCCAAAG  
 GCCTCCTTGAGGATGAGGCTGATTATGTGGTCCCCGTGGAAGATAATGATGAAAACATA  
 TTCATCCACAGAAAGCAGTTCCACTCCACCTGAAAAAGCTCCCATGGTGAATAGATCAA  
 CCAAGCCAAATTCCTCAACGCCGCTCTCCTCCAGGAACAGCTTCAGGTCGAAACAGTG  
 GGGCCTGGGAAACCAAGTCACTCCACCAGCTGCACCATCCCCGTTGCCACGGGCGGGGA  
 AAAACCAACGACACCACTGAAGACAACCTCAGTTGCCTCTCAACAGAATGCTTCAAGTG  
 TTTGTGAAGAAAACCTATACCTGCTGAACGCCACCGAGGGTCAAGTCACAGACAAGAAG  
 CTGTGACGTACCAAGTGTTCCTCCTGCCAGAAAACAAATCCACCAAAAACCCATACCTC  
 TGCCAAGATTTACAGAAGGGGAAACCAACTGTGGATGGGCCCTACCCAGCTTTTCAT  
 CTAATTCACATATTTAGAACAGGAAGCTGGCCTTCTCTGCAAGCCATGGTATGCTGGAG  
 CCTGTGATCGAAAGTCTGCTGAAGAGGCATTGCACAGTCAAACAAGGATGGATCATTTTC  
 TTATTCGGAAAAGCTCTGGCCATGATTTCAAACAACCATATACACTAGTTGTATTCTTTA  
 ATAAGCGAGTATAATAATTCCTGTGCGATTTATTGAAGCAACAAAACAATATGCCTTTGG  
 GCAGAAAAGAAAATGGTGAAGAGTACTTTGGAAGTGTGCTGAAATCATCAGGAATCATC  
 AACATAGTCCTTTGGTTCTTATTGACAGTCAGAATAACACAAAAGATTCCACCAGACTGA  
 AGTATGACGTTAAAGTTTCATAAAGGGGAAAAAAAAGATCAATACCATTGCTTCAGACA  
 CTTTCCCAAAGTTTCTCCTTTTGAGAAAAAGTCCCAAACTTCATATTTTGGATTATGAA  
 TCATCCAGTAATAAAAATGGAAGATGGAGTCAGCTATTGAAGTGGTCATCCATTTCTTTT  
 AAGAAGCTCATGTGACTTGTCTATTGCCTGACCTGATGAAGTGTAAATATCTGGTGAG  
 GTTGAGTTATCATGCTACTAATATTTTCAAATAAATATTTTTATTTTTAAAAAAAAAAAA  
 AA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_013314 unedited  
 AGGTTTCATATTTGTATACGACNACTATAGGCGGCCGCTAATTCGCACGAGGCAGAGGCT  
 TACCATGCTGCTCCCTAGGAGGGCCAGGAAGTCTGACGTGACCACTGGACAGTTATTCG  
 TGTCTCTTACAATTACCAACAGAATGGACAAGCTTAATAAAAATAACCGTCCCCGCCAGT  
 CAGAAGTTGAGGCAGCTTCAAAAGATGGTCCATGATATTA AAAACAATGAAGTGAATA  
 ATGAATAAAAATCAAAAAGCTAAAAGTCAAAGCACCTCCAAGTGTTCCTCGAAGGGACTAC  
 GCTTCAGAGAGCCCTGCTGACGAAGAGCAGCAGTGGTCCGATGACTTTGACAGCGACTAT  
 GAAAATCCAGATGAGCACTCGGACTCAGAGATGTACGTGATGCCCGCCGAGGAGAAGCT  
 GATGACAGCTACGAGCCGCTCCAGTAGAGCAGGAAACCAGGCCGTTACCCAGCCCTG  
 CCCTTCGCCAGAGGCGAGTATATAGACAATCGATCAAGCCAGAGGCATTTCCACCCTTC  
 AGCAAGACACTTCCAGTAAGCCCAGCTGGCCTTCAGAGAAAAGCAAGGCTCACCTCCACC  
 CTGCCGGCCCTGACTGCTTTGCAGAAAACCTCAAGTCCCACCCAAACCCAAAGGCTCCTT  
 GAGGATGAGGCTGATTATGTGGTCCCCGTGGAAGATAATGATGAAAACATATTTATCCC  
 ACAGAAAAGCAGTTACCTCCACCTGAAAAGCTCCCATGGTGAATAGATCAACCAAGCCA  
 AATTCCTCAACGCCGCTCTCCTCCAGGAACAGCTTCAGGTCGAAACAGTGNGGCTGG  
 GAAACCAAGTCACCTCCACCAGCTGCACCATCCCCGTTGCCACGGGCGGNAAAAAACA  
 ACGACACCACTGAAGAACACTCCAGTTGCCTCTCAACAGAATT

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_013314

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_013314.2</a> , <a href="#">NP_037446.1</a>
<b>RefSeq Size:</b>	1828 bp
<b>RefSeq ORF:</b>	1371 bp
<b>Locus ID:</b>	29760
<b>UniProt ID:</b>	<a href="#">Q8WV28</a>
<b>Cytogenetics:</b>	10q24.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	B cell receptor signaling pathway, Primary immunodeficiency
<b>Gene Summary:</b>	<p>This gene encodes a cytoplasmic linker or adaptor protein that plays a critical role in B cell development. This protein bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. The phosphorylation of five tyrosine residues is necessary for this protein to nucleate distinct signaling effectors following B cell receptor activation. Mutations in this gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in this protein has also been shown in some cases of pre-B acute lymphoblastic leukemia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>