

Product datasheet for **SC122831**

BLU (ZMYND10) (NM_015896) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLU (ZMYND10) (NM_015896) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLU
Synonyms:	BLU; CILD22; DNAAF7; FLU
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015896 edited
 CCCGAATGTGACAGCATCCCCACCCGGCTGCTGCCAGGATCCGCCGGACCCCGGCCTC
 GATATGGGAGACCTGGAAGTGTGCTGCCCGGGGAAGCTGAAAGTGTGGTGCGGGGTCTG
 CGCAGCTTCCCGCTACGCGAGATGGGCTCCGAAGGTGGAACCAGCAGCATGAGAACCTG
 GAGAAGCTGAACATGCAAGCCATCCTCGATGCCACAGTCAGCCAGGGCGAGCCCATTAG
 GAGCTGTGGTACCCATGGGAAGTCCCAACTGGTGGAGGAGCTGATCGCAGTGGAG
 ATGTGGAAGCAGAAGGTGTTCCCTGTGTTCTGCAGGGTGGAGGACTTCAAGCCCCAGAAC
 ACCTTCCCATCTACATGGTGGTGCACACGAGGCTCCATCATCAACCTTTGGAGACA
 GTGTTCTTCCACAAGGAGGTGTGTGAGTCAGCAGAAGACTGTCTTGGACTTGGTAGAC
 TATTGCCACCGCAAAGTACCCTGCTGGTGGCCAGAGTGGCTGTGGTGGCCCCCTGAG
 GGGGAGGGATCCCAGGACAGCAACCCATGCAGGAGCTGCAGAAGCAGGCAGAGCTGATG
 GAATTTGAGATTGCACTGAAGGCCCTCTCAGTACTACGCTACATCACAGACTGTGTGGAC
 AGCCTCTCTCAGCACCTTGGCCGTATGCTTAGCACACACAACCTGCCCTGCCTCCTG
 GTGGAAGTGTGGAGCATAGTCCCTGGAGCCGGCGGGAAGGAGGCAAGCTGCAGCAGTTC
 GAGGGCAGCCGTTGGCATACTGTGGCCCCCTCAGAGCAGCAAAAGCTGAGCAAGTTGGAC
 GGGCAAGTGTGGATCGCCCTGTACAACCTGCTGTAAGCCCTGAGGCTCAGGCGCCCTAC
 TGCCCTACAAGTTTTGCCAAGGGACGGCTACTCAAGCTTCGGGCCCTTCTCACAGACACA
 CTGCTGGACCAGCTGCCAACCTGGCCACTTGCAGAGTTTCTGGCCATCTGACCCTA
 ACTGAAACCCAGCCTCCTAAGAAGGACCTGGTGTGGAAACAGATCCCAGAAATCTGGGAG
 CGGCTGGAGCGAGAAAACAGAGGCAAGTGGCAGGCAATTGCCAAGCACCAGCTCCAGCAT
 GTGTTCCAGCCCCCAGAGCAGGACTGCGGCTGCAGGCGCAAGGTGGGCTGAGACCTAC
 AGGCTGGATGTGCTAGAGGCAGTGGCTCCAGAGCGGCCCGCTGTGCTTACTGCAGTGC
 GAGGCTTCTAAGCGCTGCTCAGCATGCCAGAATGAGTGGTATTGCTGCAGGGAGTGCCAA
 GTCAAGCACTGGGAAAAGCATGGAAAAGACTTGTGTCTGGCAGGCCAGGGTGACAGAGCC
 AAATGAGGGCTGCAGTTGCTGAGGGCCGACCACCCATGCCAAGGGAATCCACCCAGAATG
 CACCCCTGAACCTCAAGATCACGGTCCAGCCTCTGCCGGAGCCCCAGTCTCCGAGTGG
 GAGCAGAGCGGGCGGTAAGCTGCTGACCGATCTCCCTCCTCACCACCAAGTGAAGGC
 TCGAGACTTCTGCCACCCAGTGGGTAGGCCAAGTGCCTTGTTCAGCAAACCGGACC
 AGGAGGGCCAGGGCCGGATGTGGGGACCCTCTTCTCTAGCACAGTAAAGCTGGCCTCCA
 GAAA
 AAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_015896 unedited
 NNNNGGTGAGGATTTGTATACGACTCATATAGGGCGGCCGGAATCCCGGGATGTCGTCC
 CCGAATGTGACAGCATCCCCACCCGGCTGCTGCCAGGATCCGCCGGACCCCGGCCTCG
 ATATGGGAGACCTGGAAGTGTGCTGCCCGGGGAAGCTGAAAGTGTGGTGCGGGGTCTGC
 GCAGCTTCCCGCTACGCGAGATGGGCTCCGAAGGTGGAACCAGCAGCATGAGAACCTGG
 AGAAGCTGAACATGCAAGCCATCCTCGATGCCACAGTCAGCCAGGGCGAGCCCATTAGG
 AGCTGCTGGTACCCATGGGAAGTCCCAACTGGTGGAGGAGCTGATCGCAGTGGAGA
 TGTGGAAGCAGAAGGTGTTCCCTGTGTTCTGCAGGGTGGAGGACTTCAAGCCCCAGAACA
 CCTTCCCATCTACATGGTGGTGCACCACGAGGCTCCATCATCAACCTTTGGAGACAG
 TGTTCTTCCACAAGGAGGTGTGTGAGTCAGCAGAAGACTGTCTTGGACTTGGTAGACT
 ATTGCCACCGCAAAGTACCCTGCTGGTGGCCAGAGTGGCTGTGGTGGCCCCCTGAGG
 GGAGGGATCCCAGGACAGCAACCCATGCAGGAGCTGCAGAAGCAGGCAGAGCTGATGGA
 ATTTGAGATTGCACTGAAGGCCCTCTCAGTACTACGCTACATCACAGACTGTGTGGACAG
 CCTCTCTCTCAGCACCTTGGCCGTATGCTTAGCACACACAACCTGCCCTGCCTNCTGNN
 TGAAGTGTGNAGCATAGTCCCTGGAGCCGGCNGGAAAGNANGCAAGCTGCAGCAGTTCCG
 AGGGCAGCCGTTNGCATACTGTGGCCCCCTCAGAGCAGCAAAAGCTGAGCAAGTTGACGGN
 C

Restriction Sites: Please inquire
ACCN: NM_015896

Insert Size:	1760 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_015896.2 , NP_056980.2
RefSeq Size:	1780 bp
RefSeq ORF:	1323 bp
Locus ID:	51364
UniProt ID:	O75800
Cytogenetics:	3p21.31
Gene Summary:	<p>This gene encodes a protein containing a MYND-type zinc finger domain that likely functions in assembly of the dynein motor. Mutations in this gene can cause primary ciliary dyskinesia. This gene is also considered a tumor suppressor gene and is often mutated, deleted, or hypermethylated and silenced in cancer cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>