

Product datasheet for **SC126187**

CLPB (NM_030813) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLPB (NM_030813) Human Untagged Clone
Tag: Tag Free
Symbol: CLPB
Synonyms: ANKCLB; HSP78; MEGCANN; MGCA7; SKD3
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_030813 edited
 GTGGTCAGCACAGGGGCCCGCCACCACGGGGTTATCGAAGCAGCTGTCAAGATGCTGGGGT
 CCCTGGTGTGAGGAGAAAAGCACTGGCCACGGCTACTCCTCCGGCTGCTCAGTCCC
 CAACGCTCCGGGGCCATGGAGGTCTTCCGGCCGGAATGTGACTACTGGGAGTCTCGGGG
 AGCCGCGTGGCTGAGGGTAGCCACCGGGGGCGCCCTGGAACATCGCCGGCCTTGTCT
 CCGGACGTGGGGCAGCCACCGGGGGCGCCAGGGAGGACGCTTCGATACCAAATGCCTCG
 CGGCTGCCACTTGGGGACGCTTCTGTGCCGAAGAACTCCAGGACAGGACAGCT
 GGAACGGGGTCCCAGCAGGGCCGACTGGGCATGTGCGCCCTGGCCGACGCTGGTGG
 TTCATTGCTACAGCAAGAGTCCGTCCAACAAGGATGCAGCCCTGTTGGAAGTGCCTG
 CCAACAATATGCAAGAAGTCAGCAGGCTGTTGTCAGAAGGTGCAGATGTCAATGCAAAGC
 ACAGACTTGGCTGGACAGCACTCATGGTGGCAGCCATCAACCGAAACAACAGTGTGGTAC
 AGGTCCTGCTTGCTGCTGGGGCTGATCCAAACCTTGGAGATGATTCAGCAGTGTTFACA
 AGACTGCCAAGGAACAGGGAATCCATTCTTTGGAAGATGGGGGACAGGAGGTGCAAGCC
 GGCACATCACAACAGTGGACAAGTGCCTGGAGTTCAGGAGATGGCTAGGACTCCCCG
 CTGGCGTCTGATCACCCGAGAGGATGACTTCAACAACAGGCTGAACAACCGCGCCAGTT
 TCAAGGGCTGCACGGCCTTGCACTATGCTGTTCTTGTGATGACTACCGCACTGTCAAGG
 AGCTGCTTGATGGAGGAGCCAACCCCTGCAGAGGAATGAAATGGGACACACACCCTTGG
 ATTATGCCCGAGAAGGGGAAGTGAAGCTTCTGAGGACTTCTGAAGCCAAGTACCAAG
 AGAAGCAGCGGAAGCGTGAGGCTGAGGAGCGGGCCGCTTCCCTGGAGCAGCGACTAA
 AGGAGCAGCATCATTGGCCAGGAGAGCGCCATCGCCACAGTGGGTGCTGCGATCCGGAGGA
 AGGAGAATGGCTGGTACGATGAAGAACACCCTCTGGTCTTCTTCTTGGGATCATCTG
 GAATAGGAAAAACAGAGCTGGCCAAGCAGACAGCCAAATATATGCACAAAGATGCTAAAA
 AGGGCTTCATCAGGCTGGACATGCCGAGTTCAGGAGCGACACGAGGTGGCCAAGTTTA
 TTGGGTCTCCACCAGGCTACGTTGGCCATGAGGAGGGTGGCCAGCTGACCAAGAAGTTGA
 AGCAGTGCCTCAATGCTGTGGTGTCTTTGATGAAGTAGACAAGGCCATCCAGATGTGC
 TCACCATCATGCTGCAGCTGTTTGTGATGAGGGCCGGCTGACAGATGAAAAAGGGAAGACCA
 TTGATTGCAAGGACGCCATCTTCATCATGACCTCCAATGTGGCCAGCGACGAGATCGCAC



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AGCACGCGCTGCAGCTGAGGCAGGAAGCTTTGGAGATGAGCCGTAAACCGTATTGCCGAAA
 ACCTGGGGGATGTCCAGATAAGTGACAAGATCACCATCTCAAAGAACTTCAAGGAGAATG
 TGATTCCGCCATCCTGAAAGCTCACTTCCGGAGGGATGAGTTTCTGGGACGGATCAATG
 AGATCGTCTACTTCTCCCTTCTGCCACTCGGAGCTCATCCAACCTCGTCAACAAGGAAC
 TAAACTTCTGGGCCAAGAGAGCCAAGCAAAGGCACAACATCACGCTGCTCTGGGACCGCG
 AGGTGGCAGATGTGCTGGTGCACGGCTACAATGTGCACTATGGCGCCCGCTCCATCAAAC
 ATGAGGTAGAACGCCGTGTGGTGAACCAGCTGGCAGCAGCCTATGAGCAGGACCTGCTGC
 CAGGGGGCTGTACTTTGCGCATCACGGTGGAGGACTCAGACAAGCAGCTACTCAAAGCC
 CAGAACTGCCCTCACCCAGGCTGAGAAGCGCCTCCCAAGCTGCGTCTGGAGATCATCG
 ACAAGGACAGCAAGACTCGCAGACTGGACATCCGGGCACCACTGCACCCTGAGAAGGTGT
 GCAACACCATCTAGCAGCCACCTGCCTGCTCCTATGTGCCCTCACCATCCAATAAAGGCC
 CCTTGGCTGTGGCATGGCAACTGACTTACCTTCCCCTCATGCCGCTCCCATCTTACCCA
 GTCTCAGGCTGCTTACCTCCTCACAGCCCATGAAGACCCCTTCTCAGCCCCAAAACCTG
 AAGGAGGAATTTGCCCCTACTCTGGCCCTTTGTTGTGGGCCATAACCTGCTAACAAAGC
 CTTCAGGAGAGGAGCTGCCTTTCCACCCCTTCAAGGCAAGGAGGGATGGAGGTCCCTTA
 TTTCTTCAGAATGATCCCATCCCATAGTCGCCAGACTTTCTCATGTTCCCAGGAAG
 CTCAGAAGTATGGCAGCTAAGAACACAGCTGGCTGGAAGAAGACAGGGACCAGACTGAAC
 TGCCACCCCTCTGCTAGTCTCATGCAACTCAGTCCCAGAAATGGCTCCACTGGGAGTGG
 GGAAGAGCTCAGAGGCCAGGTGCAGATAGTTCTGCAATTTAGTCTGTAGCCTCCTCGTT
 CCCTACCTAAAATTCTAAGGGGAAGGGACCCATAGAGGCTTGCCTGTTTCCGCTACTAT
 ATTATGCCAGTGTCTCCTCACCCACGCTCTGGGGTCAAGCCAGACCATGTTTCGTC
 AGCCTTGGGACTAGGCCAGTGTGGGCACCTCCAGGAGGAGCCTGACTGGTTCATTAC
 CCTCCCCTACTCAGACTGAGCAGCAGTCCAGATAACCAAGCAAGCTCAGCTCTGTGGGG
 GCCTCCTTCAAAGACCAACATCGCAGACATTAGGAAGCTGTAGGAAGAGAGATCATGGG
 TTTGACCTCTGCCACATGGCCATGGAGTCAGCCTCAGCCCTGTGTACTGCTCGTCCA
 GCTAAACGAGCCTGGAATAAACATGCAGTTTATTTCAGTCTGCATGTTAGTCACAAAAAAA
 AAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030813 unedited
 NGGCCGTTTCAATTTGTATACGACTCATATAGGCGGACCGGAATTCGCACGAGGGTGGT
 CAGCACAGGGGCCCGGCACCACGGGTTATCGAAGCAGCTGTCAAGATGCTGGGGTCCCT
 GGTGTTGAGGAGAAAAGCACTGGCGCCACGGCTACTCCTCCGGCTGCTCAGGTCCCAAC
 GCTCCGGGGCCATGGAGGTGCTTCCGGCCGGAATGTGACTACTGGGAGTCTCGGGAGCC
 GCAGTGGCTGAGGGTAGCCACCGGGGGCGCCCTGGAACATCGCCGGCCTTGTCTCCGG
 ACGTGGGGCAGCCACCGGGGGCGCCAGGGAGGACGCTTCGATACCAATGCCTCGCGGC
 TGCCACTTGGGGACGCTTCTGGTCCCAGAAACAACACTCCCAGGACAGGACAGCTGGAA
 CGGGTCCCAGCAGGGACGGACTGGGCATGTGCGCCCTGGCCGACGCTGGTGGTTCA
 TTGCTACAGCAAGAGTCCGTCCAACAAGGATGCAGCCCTGTTGGAAGCTGCCCGTCCAA
 CAATATGCAAGAAGTCAAGAGGCTGTTGTGCAAGGTGCAGATGTCAATGCAAAGCACAG
 ACTTGGCTGGACAGCACTCATGGTGGCAGCCATCAACCGAAACAACAGTGTGGTACAGGT
 CCTGCTTGTGCTGGGGCTGATCCAAACCTTGGAGATGATTTACAGAGTGTTCACAGAC
 TGCCAAGGAACAGGGAATCCATTCTTTGGAAGATGGGGACAGGACGGTGCANGCCGGCA
 CATCACAACCAAGTGGACAAGTGCCTGGAGTTCCANGAGATGGCTAGGACTCCCCGCTGG
 CGTCTGATCACCCGAGAGATGACTTACAACGGCTGAACACCGGGCACGTT

Restriction Sites:

Please inquire

ACCN:

NM_030813

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:	<u>NM_030813.3</u> , <u>NP_110440.1</u>
RefSeq Size:	3131 bp
RefSeq ORF:	2124 bp
Locus ID:	81570
UniProt ID:	<u>Q9H078</u>
Cytogenetics:	11q13.4
Gene Summary:	<p>This gene belongs to the ATP-ases associated with diverse cellular activities (AAA+) superfamily. Members of this superfamily form ring-shaped homo-hexamers and have highly conserved ATPase domains that are involved in various processes including DNA replication, protein degradation and reactivation of misfolded proteins. All members of this family hydrolyze ATP through their AAA+ domains and use the energy generated through ATP hydrolysis to exert mechanical force on their substrates. In addition to an AAA+ domain, the protein encoded by this gene contains a C-terminal D2 domain, which is characteristic of the AAA+ subfamily of Caseinolytic peptidases to which this protein belongs. It cooperates with Hsp70 in the disaggregation of protein aggregates. Allelic variants of this gene are associated with 3-methylglutaconic aciduria, which causes cataracts and neutropenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>