

Product datasheet for **SC107321**

Lebercilin (LCA5) (NM_181714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lebercilin (LCA5) (NM_181714) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lebercilin
Synonyms:	C6orf152
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107321 sequence for NM_181714 edited (data generated by NextGen Sequencing)

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ATGGGGGAAAGAGCAGGAAGTCCAGGACTGATCAAGAAAGAAAGGCAGGCAAACACCAT
TATTCTTACTCATCTGATTTTGAACGCCACAGTCTTCTGGCCGATCATCGCTGGTCAGT
TCTTCACCTGCAAGTGTAGGAGAAAAATCCTAAAAGACAACTTCAGATGGCCAAGTA
CATCACCAAGCCCCTCGGAAACCAAGCCCTAAGGGTCTACCAAACAGAAAGGGAGTCCGA
GTGGGATTTTCGCTCCCAGAGCCTCAATAGAGAGCCACTTCGAAAGATACTGATCTTGTT
ACAAAACGGATTCTGTCTGCAAGACTGCTAAAAATCAATGAGTTGCAGAATGAAGTATCT
GAACTCCAGGTCAAGTTAGCTGAGCTGCTAAAAGAAAATAAATCTTTGAAAAGGCTTCAG
TACAGACAGGAGAAAGCCCTGAATAAGTTTGAAGATGCCGAAAATGAAATCTCACAACTT
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CGTCTGCCAAAGTCTCTCCAAATAAGAGAAAAGAACTTGCAATTAAGAAAAATGCTGCA
TGCCAGAGTGATTTTGCAGACCTGTGTACAAAAGGAGTACAAACCATGGAAGACTTCAAG
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Clone variation with respect to NM_181714.3

71 t=>c;1967 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_181714 unedited
 GGGGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGGAGGTG
 CGAGGGCAAAAAATTTATCTTCTGGATGCCAATGTGAATTGTGGTCTACAAATACATTGT
 GGAGAAAATAGATTGCACAGAAATGAATATTATCAGGATCTGAAGACTGTGAAAATGTTT
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 GAAAATCTCAAGAGAAAGACGGGCAACTGAGAAAGGGGTAAAAGATACAGAAGTGAACATA
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 CGAGATGATTTGGCAAGAACTAGTTCAGCAGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_181714 unedited
 ACTATGNAACCGCGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGCATTTTTTA
 ATTTTTATTAGTAACAGTTCTGAGTACAAATAAATTTAATGACATTTAGAAAAAAAACA
 ATTTACCCTGTAAGGTTTGTTCATAAGGAAAACCTGTTTTGTACATTTAATCTCCAAT
 TTTAATGCTTAATATCATAATGCCTTTAAATCTGTAACCTAAGTTTAAATTTTAA
 TAATTTCTGCTTGTGTCATCTTGTAAAGAGATTATCAGGTAGAAAAAAGCAAAAAACT
 AATTTAAATGACGTGAATAAAAACTTAACTAAAAAGTTTTAAAAGCCTTTAAAACAACC
 TGAAAATTAGAATACTTTTGGCAGAAAAATTAGCAGCTAGGAACAAAATTAACATTACAT
 AATATTTTACCAATAACTGCATTACAAATAATATTGTTTTACATATATTAGAATGATTTG
 CAACATATTATAGTAAATGGTTATACATATCAGACATACAAATCTATTAAGAAAAATTTT
 TAATATAGTTTAGCACTTTTGGAGATTCTGTTCCCAATAAATGAAAGGAACACAATTTA
 GAAGATGACAGGTGGTACATCTTTAATTGGAGACCTAACCAAGTAAAGTCTTGACAAATA
 GTCATGCAATGAAATTCATAAATATGCATTTTATAAGAAGTACAGAAATAACACAGTAACTCC
 TTCCCCTCATCAGTATATATGACTGGCGTCCAGAATCATACTACGAGCCAATGCTAGTAA
 AATTTCTGAAAAAAGCAGCTCACTTTAGGATAAGTGCCAATCTTAATTTTTATATCTTCC
 AACACACTATTTCCACACTCTTCATTTTACATGTTTCTTCTTTGGCTGGTGTATATACTG
 CTTTTAAAGAACATCTTCCCGCTGATCCACGGCATCACCTCTCTAAGCTGAGTGGATT
 CCAACAGCCAAGAC

Restriction Sites:

NotI-NotI

ACCN:

NM_181714

Insert Size:

4700 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:

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_181714.1](#), [NP_859065.1](#)

RefSeq Size: 4733 bp

RefSeq ORF: 2094 bp

Locus ID: 167691

UniProt ID: [Q86VQ0](#)

Cytogenetics: 6q14.1

Gene Summary: This gene encodes a protein that is thought to be involved in centrosomal or ciliary functions. Mutations in this gene cause Leber congenital amaurosis type V. Alternatively spliced transcript variants are described. [provided by RefSeq, Oct 2009]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.