

Product datasheet for **RC207993**

Lebercilin (LCA5) (NM_181714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Lebercilin
Synonyms:	C6orf152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC207993 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCGCGATCGCC

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Protein Sequence: >RC207993 protein sequence
 Red=Cloning site Green=Tags(s)

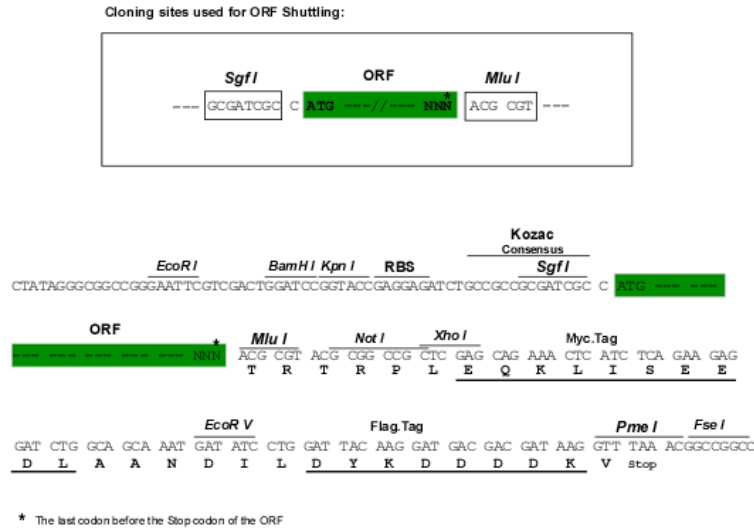
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 AKTSERSNPFQKSSFLDFQRNSMEKLSKDGVDLITRKEKKANLMEQLFGASGSSTISSKSSGPNVSVASS
 KGDIDPLNFLPGNKGSRDQEHDEDEGFFLSEGRSFNPNRHLKHADKPAVKAADSVEDEIEEVALR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6513_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181714

ORF Size: 2091 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_181714.1, NP_859065.1

RefSeq Size: 4729 bp

RefSeq ORF: 2094 bp

Locus ID: 167691

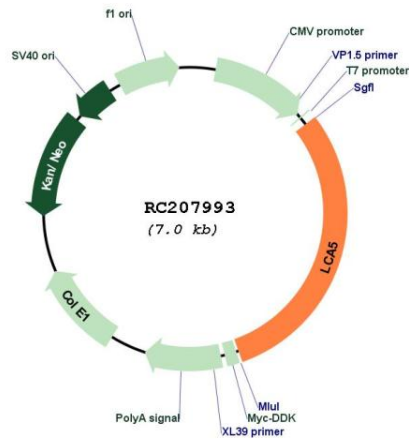
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Cytogenetics: 6q14.1

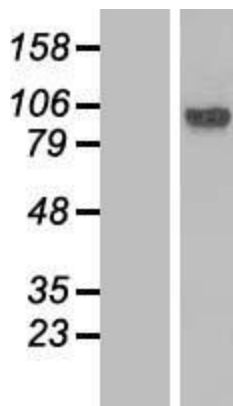
MW: 80.5 kDa

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]

Product images:



Circular map for RC207993



Western blot validation of overexpression lysate (Cat# [LY426559]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226099] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).