

Product datasheet for RC212831

LIPK (NM_001080518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPK (NM_001080518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIPK
Synonyms:	bA186O14.2; LIPL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212831 representing NM_001080518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGGCAGCTTTTAGCAGCAGCATGCTGGATGCTTCTTCTTGGATCTATGTATGGTTATGACAAGAAAG
 GAAACAATGCAACCCCTGAAGCTAATATGAATATTAGCCAGATTATTTCTTACTGGGTTATCCTTATGA
 AGAGTATGATGTTACAACAAAAGATGGTTATATCCTTGAATTTATAGGATTCACATGGAAGAGGATGC
 CCAGGGAGGACAGCTCCAAAGCCTGCTGTGATTTGCAGCATGGCTTAATTGCATCTGCCAGTAAGTGA
 TTTGCAACCTGCCAACAACAGTTTGGCTTTCCTTCTGGCAGATAGTGGTTATGACGTGTGGTTGGGGAA
 CAGCCGAGGAAACACTTGGTCCAGAAAACACCTTAAATTGTACCGAAATCACCGGAATACTGGGCCTTC
 AGTTTGGATGAGATGGCTAAATATGACCTTCCAGCCACAATCAATTTTATCATAGAGAAAACCTGGACAGA
 AGCGACTCTACTACGTGGGCCACTCACAAAGCACCACCATAGCTTTTATAGCATTTTCTACAAACCCAGA
 ACTGGCTAAAAAGATTAAAGATATTTTTTGCAGTGGCTCCAGTTGTACAGTTAAATACACCCAAAGTCTCT
 ATGAAAAAATAACAACCTTTCCAGGCGAGTAGTTAAGGTGTTGTTGGTGACAAAATGTTCCACCCTC
 ATACATTGTTTGACCAATTCATTGCCACCAAGTGTGCAATCGAAAGCTATTCGTCGTATTTGCAGCAA
 CTTCTATTTACTCTGAGTGGATTTGATCCGCAAACTTAAATATGAGTCGCTTGGATGTTTATTTGTCA
 CACAATCTGCGGAACATCTGTTCAAGATATGCTGCACTGGGCTCAGGCTGTTAATTCTGGTCAGCTCC
 AAGCTTTTGAATGGGAAACTCTGATCAGAACATGATGCACTTCCATCAGCTTACACCTCTTTATACAA
 CATTACTAAGATGGAAGTTCCAACAGCAATATGGAATGGTGGACAGGACATTGTGGCTGATCCCAAGGAT
 GTTGAAAATTTACTTCTCAAATGCTAACCTATTTATTACAAGCTGATTCCACACTACAATCATGTGG
 ATTTTACCTTGGAGAGGATGCACCTCAGGAAATTTACCAAGACCTAATTATATTGATGGAAGAATATT
 ACAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC212831 representing NM_001080518
 Red=Cloning site Green=Tags(s)

MWQLLAACWMLLLGSMYGYDKGNNANPEANMNISQIIISYWGYPYEEYDVTTKDGYYLGIYRIPHGRGC
 PGRTAPKPAVYLQHGLIASASNWICNLPNNSLAFLLADSGYDVWLGNRGTWSRHLKLSPKSPEYWAF
 SLDEMAKYDLPATINFIEKTGQKRLYYVGHSGQTIIAFIAFSTNPELAKKIKIFFALAPVTVKYTQSP
 MKKLTTLRRVVKVLFQDKMFHPHTLFDQFIATKVCNRKLFRRICSNLFTLSGFDPQNLNMSRLDVYLS
 HNPAGTSVQNMLHWAQAVNSGQLQAFDWGNSDQNMHMFHQLTPPLYNITKMEVPTAIWNGGQDIVADPKD
 VENLLPQIANLIYYKLIPHYNHVDFYLGEDAPQEIYQDLIILMEEYLQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8023_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080518

ORF Size: 1197 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_001080518.2

RefSeq Size: 1200 bp

RefSeq ORF: 1200 bp

Locus ID: 643414

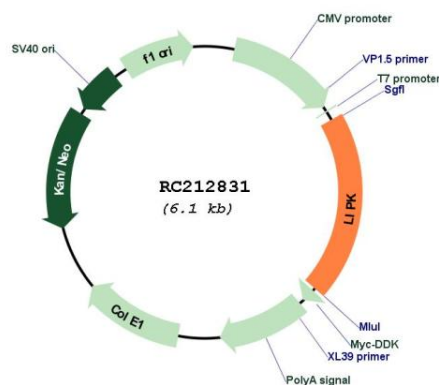
UniProt ID: Q5VXJ0

Cytogenetics: 10q23.31

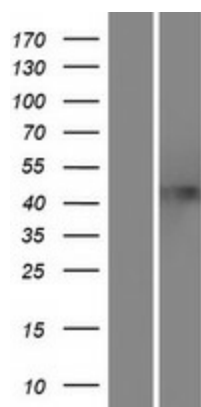
MW: 45.4 kDa

Gene Summary: Plays a highly specific role in the last step of keratinocyte differentiation. May have an essential function in lipid metabolism of the most differentiated epidermal layers.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212831



Western blot validation of overexpression lysate (Cat# [LY421073]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212831 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).