

Product datasheet for MR206334

Lipk (BC055815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipk (BC055815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lipk
Synonyms:	9930115F20; BC055815; LipI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206334 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTGGTTTTAGCAACAACATGTTGTGTGCTTCTTCCGGACCCATAGATGGCTATAAGCAAGAAA
GCATCACAAATCCTGAAGCCAATATGAATATTGTATGTGTTTTTCAGAGTGAACCTATTTCTACTGGG
CTATCCTTATGAAAAGCATGATGTTATAACAGAGGATGGTTACATCCTTGGAACTACCGGATTCCTCAT
GGGAAAGGATGCTCAAGGAAAACAGCTCCGAAGGCAGTTGTGTATCTGCAGCATGGCTTAATTGCATCTG
CCAATAACTGGATTTGCAACCTGCCAACAACAGCTTGGCTTTCCTTCTGGCCGATAGTGGTTATGACGT
GTGGTTGGGGAACAGCCGAGGAAACACCTGGTCCAGAAATCACCTGAGACTGTCACCTAAATCACCGCAA
TATTGGGCCTTACGCTGGGACGAGATGGCGAAATATGATCTTCCAGCTACAGTCAATCTGATCTTAGAGA
AAAGTGGACAAAAGCAACTCTTCTATGTGGGCCACTCGCAGGGCACCCACCATAGCGTTCATAGCATTCTC
TACGAATCCAGAGCTGGCTAAAAAGATTAGGCTGTTTTTCGCACTAGCTCCAGTGGCCACAGTAAAAATAC
ACTCGAAGCCCAATGAAAAAATTAACCACCTTCCAGGAAAGCTGTCAAGGTATTGTTTGGTGACAAAA
TGTTCTCCACTCACACGTGGTTGAACAATTCATCGCTACCAAAGTGTGCAACCGGAAGTTATCCATCA
GCTATGCAGCAACTTCTGTTTTCTCTAAGTGGATTTGATCCCCAAAACCTAAACATGAGTCGCTGGAT
GTTTATCTGTACAGAGTCTGCAGGAACATCTGTTCAGAACATGCTGCACTGGGCCAGGCTGTCAATT
CTGGTCAACTCCAAGCTTTTACTGGGGCAATCCTGACCAGAACATGATGCACTTCAACCAGCTTACACC
TCCTGTGTATAACATCTCTAAGATGCGTGTCCCAACAGCAATGTGGAGTGGAGGACAGGATGTTGTGGCA
GATGCTAAGGACACTAAAAATCTGCTGCCTAAAATTGCCAACCTTATCTACTACAAGGAGATTCCACACT
ACAATCATATGGATTTTTACCTCGGACAGGACGCACCCAGGAAGTTTATGGAGACCTAATTAGAATGAT
AGAAGAATCTTTGCAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206334 protein sequence
 Red=Cloning site Green=Tags(s)

MWWFLATTCCVLLSGPIDGYKQESITNPEANMNIVCVFQSELISYWGYPYEKHDVITEDGYILGTYRIPH
 GKGC SRKTAPKAVVYLQHGLIASANNWICNL PNNSLAFLLADSGYDVWLGN SRGNTWSRNLRLSPKSPQ
 YWAFSWDEMAKYDLPATVNLILEKSGQKQLFYVGHSSQGTIIAFIAFSTNPELAKKIRLFFALAPVATVKY
 TRSPMKLLTTL SRKAVKVLFGDKMFSTHTWFEQFIATKVCNRKLFHQ LCSNFLFSLSGFDPQNLNMSRLD
 VYLSQSPAGTSVQNMLHWAQAVNSGQLQAFDWGNPDQNMHFNQLTPPVYNI SKMRVPTAMWSGGQDVVA
 DAKDTKNLLPKIANLIYYKEIPHYNHMDFYLGQDAPQEYVYGD LIRMIEESLQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC055815

ORF Size: 1209 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.

RefSeq: [BC055815](#), [AAH55815](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1211 bp

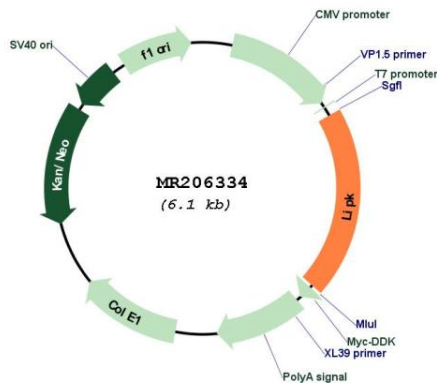
Locus ID: 240633

Cytogenetics: 19 C1

MW: 45.9 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206334