

Product datasheet for **MG206334**

Lipk (BC055815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipk (BC055815) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lipk
Synonyms:	9930115F20; BC055815; LipI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206334 representing BC055815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTGGTTTTAGCAACAACATGTTGTGTGCTTCTTCCGGACCCATAGATGGCTATAAGCAAGAAA
GCATCACAAATCCTGAAGCCAATATGAATATTGTATGTGTTTTTCAGAGTGAACCTATTTCTTACTGGG
CTATCCTTATGAAAAGCATGATGTTATAACAGAGGATGGTTACATCCTTGGAACTACCGGATTCCTCAT
GGGAAAGGATGCTCAAGGAAAACAGCTCCGAAGGCAGTTGTGTATCTGCAGCATGGCTTAATTGCATCTG
CCAATAACTGGATTTGCAACCTGCCAACAACAGCTTGGCTTTCCTTCTGGCCGATAGTGGTTATGACGT
GTGGTTGGGGAACAGCCGAGGAAACACCTGGTCCAGAAATCACCTGAGACTGTCACCTAAATCACCGCAA
TATTGGCCCTCAGCTGGGACGAGATGGCGAAATATGATCTTCCAGCTACAGTCAATCTGATCTTAGAGA
AAAGTGGACAAAAGCAACTCTTCTATGTGGGCCACTCGCAGGGCACCCACCATAGCGTTCATAGCATTCTC
TACGAATCCAGAGCTGGCTAAAAAGATTAGGCTGTTTTTCGCACTAGCTCCAGTGGCCACAGTAAAAATC
ACTCGAAGCCCAATGAAAAAATTAACCACCTTCCAGGAAAGCTGTCAAGGTATTGTTTGGTGACAAAA
TGTTCTCCACTCACACGTGGTTGAACAATTCATCGCTACCAAAGTGCAACCGGAAGTTATCCATCA
GCTATGCAGCAACTTCTGTTTTCTCTAAGTGGATTTGATCCCCAAAACCTAAACATGAGTCGCTGGAT
GTTTATCTGTACAGAGTCTGCAGGAACATCTGTTCAGAACATGCTGCAGTGGCCAGGCTGTCAATT
CTGGTCAACTCCAAGCTTTTACTGGGCAATCCTGACCAGAACATGATGCACTTCAACCAGCTTACACC
TCCTGTGTATAACATCTCTAAGATGCGTGTCCCAACAGCAATGTGGAGTGGAGGACAGGATGTTGTGGCA
GATGCTAAGGACACTAAAAATCTGCTGCCTAAAATTGCCAACCTTATCTACTACAAGGAGATTCCACACT
ACAATCATATGGATTTTTACCTCGGACAGGACGCACCCAGGAAGTTTATGGAGACCTAATTAGAATGAT
AGAAGAATCTTTGCAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206334 representing BC055815
 Red=Cloning site Green=Tags(s)

MWWFLATTCCVLLSGPIDGYKQESITNPEANMNIVCVFQSELISYWGYPEKHDVITEDGYILGTYRIPH
 GKGC SRK TAPKAVVYLQHGLIASANNWICNL PNNSLAFL LADSGYDVWLGN SRGNTWSRNHLRLSPKSPQ
 YWAFSWDEMAKYDL PATVNLILEKSGQKQLFYVGH SQGTTIAFIAFSTNPELAKKIRLFFALAPVATVKY
 TRSPMKLLTTL SRKAVKVLFGDKMFSTHTWFEQFIATKVCNRKLFHQ LCSNFLFSLSGFDPQNLNMSRLD
 VYLSQSPAGTSVQNMLHWAQAVNSGQLQAFD WGNPDQNMHFNQLTPPVYNI SKMRVPTAMWSGGQDVVA
 DAKDTKNLLPKIANLIYYKEIPHYNHMDFYLGQDAPQE VYGD LIRMIEESLQN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC055815

ORF Size: 1211 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

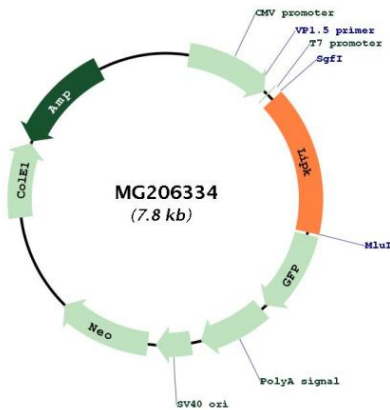
RefSeq ORF: 1211 bp

Locus ID: 240633

Cytogenetics: 19 C1

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 MG206334