

Product datasheet for **RG212831**

LIPK (NM_001080518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPK (NM_001080518) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIPK
Synonyms:	bA186O14.2; LIPL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212831 representing NM_001080518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTGGCAGCTTTTAGCAGCAGCATGCTGGATGCTTCTTCTGGATCTATGTATGGTTATGACAAGAAAG
GAAACAATGCAACCCCTGAAGCTAATATGAATATTAGCCAGATTATTTCTTACTGGGTTATCCTTATGA
AGAGTATGATGTTACAACAAAAGATGGTTATATCCTTGAATTTATAGGATTCACATGGAAGAGGATGC
CCAGGGAGGACAGCTCCAAAGCCTGCTGTGATTTGCAGCATGGCTTAATTGCATCTGCCAGTAAGTGA
TTTGCAACCTGCCAACAACAGTTGGCTTTCCTTCTGGCAGATAGTGGTTATGACGTGTGGTTGGGGAA
CAGCCGAGGAAACACTTGGTCCAGAAAACACCTTAAATTGTACCGAAATCACCGGAATACTGGGCCTTC
AGTTTGGATGAGATGGCTAAATATGACCTTCCAGCCACAATCAATTTTATCATAGAGAAAACCTGGACAGA
AGCGACTCTACTACGTGGGCCACTCACAAAGCACCACCATAGCTTTTATAGCATTTTCTACAAACCCAGA
ACTGGCTAAAAAGATTAAAGATATTTTTTGCACTGGCTCCAGTTGTACAGTTAAATACACCCAAAGTCCT
ATGAAAAAATAACAACCTTTCCAGGCGAGTAGTTAAGGTGTTGTTGGTGACAAAATGTTCCACCCTC
ATACATTGTTTGACCAATTCATTGCCACCAAGGTGCAATCGAAAGCTATTCGTCGTATTTGCAGCAA
CTTCCTATTTACTCTGAGTGGATTTGATCCGCAAACTTAAATATGAGTCGCTTGGATGTTTATTTGTCA
CACAATCCTGCGGAACATCTGTTCAAGATATGCTGCACTGGGCTCAGGCTGTTAATTCTGGTCAGCTCC
AAGCTTTTGGATTGGGAAACTCTGATCAGAACATGATGCACTTCCATCAGCTTACACCTCTTTATACAA
CATTACTAAGATGGAAGTTCCAACAGCAATATGGAATGGTGGACAGGACATTGTGGCTGATCCCAAGGAT
GTTGAAAATTTACTTCTCAAATGCTAACCTATTTATTACAAGCTGATTCCACACTACAATCATGTGG
ATTTTACCTTGGAGAGGATGCACCTCAGGAAATTTACCAAGACCTAATTATATTGATGGAAGAATATT
ACAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212831 representing NM_001080518
 Red=Cloning site Green=Tags(s)

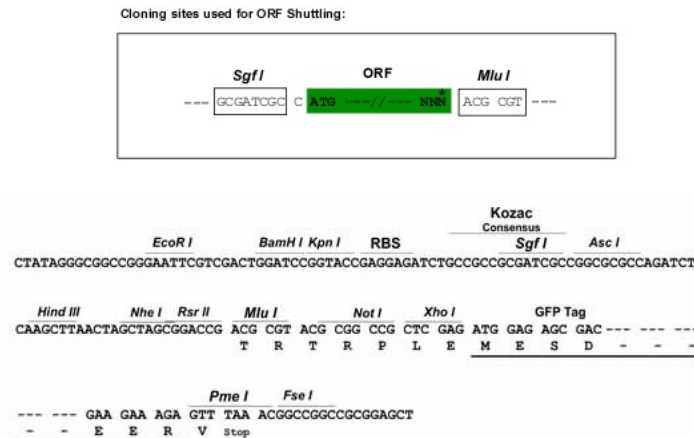
MWQLLAAACWMLLLGSMYGYDKKGNANPEANMNISQIISYWGYPYEYDVTTKDG YILGIYRIPHGRGC
 PGRTAPKPAVYLQHGLIASASNWICNLPNNSLAFLADSGYDVWLGNRGNWTSRKHKLSPKSPEYWAF
 SLDEMAKYDLPATINFIEKTGQKRLYYVGHSSQGTTFIAFSTNPELAKKIKIFFALAPVTVKYTQSP
 MKKLTTLSSRRVVKVLFQDKMFHPHTLFDQFIATKVCNRKLFRRICSNFLFTLSGFDPQNLNMSRLDVYLS
 HNPAGTSVQNMLHWAQAVNSGQLQAFDWGNSDQNMHMFHQLTPPLYNITKMEVPTAIWNGGQDIVADPKD
 VENLLPQIANLIYYKLIPHYNHVDYFLGEDAPQEIYQDLIILMEEYLQN

TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_001080518.2](#)

RefSeq Size: 1200 bp

RefSeq ORF: 1200 bp

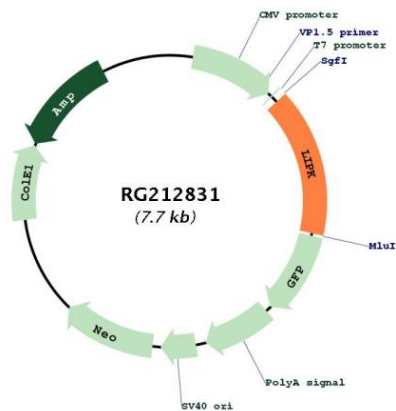
Locus ID: 643414

UniProt ID: [Q5VXJ0](#)

Cytogenetics: 10q23.31

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 RG212831