

## Product datasheet for **RG225684**

### LIPM (NM\_001128215) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LIPM (NM\_001128215) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LIPM  
**Synonyms:** bA30415.1; LIPL3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225684 representing NM\_001128215  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTGGAACCTTGTCAGACAGTGGATTGTCTCACACAGAATGGAAATGTGGCTTCTGATTCTGGTGG  
 CGTATATGTTCCAGAGAAATGTGAATTCAGTACATATGCCAACTAAAGCTGTGGACCCAGAAGCATTTCAT  
 GAATATTAGTGAATCATCCAACATCAAGGCTATCCCTGTGAGGAATATGAAGTCGCAACTGAAGATGGG  
 TATATCCTTTCTGTTAACAGGATTCCTCGAGGCCCTAGTCAACCTAAGAAGACAGGTTCCAGGCCTGTGG  
 TGTTACTGCAGCATGGCCTAGTTGGAGGTGCTAGCAACTGGATTTCCAACCTGCCAACAATAGCCTGGG  
 CTTCAATCTGGCAGATGCTGGTTTTGACGTGTGGATGGGGAACAGCAGGGGAAACGCCTGGTCTCGAAAA  
 CACAAGACACTCTCCATAGACCAAGATGAGTTCTGGGCTTTCAGTTATGATGAGATGGCTAGGTTTGACC  
 TTCTGACAGTATAAACTTTATTTTGCAGAAAACGGGCCAGGAAAAGATCTATTATGTCGGCTATTCACA  
 GGGCACCACCATGGGCTTTATTGCATTTCCACCATGCCAGAGCTGGCTCAGAAAATCAAATGTATTTT  
 GCTTTAGCACCCATAGCCACTGTTAAGCATGCAAAAAGCCCCGGGACCAAATTTTGTGCTGCCAGATA  
 TGATGATCAAGGGATTGTTTGGCAAAAAGAATTTCTGTATCAGACCAGATTTCTCAGACAACTTGTTAT  
 TTACCTTTGTGGCAGGTGATTCTTGATCAGATTTGTAGTAATATCATGTTACTTCTGGGTGGATTCAAC  
 ACCAACAATATGAACATGAGCCGAGCAAGTGTATATGCTGCCACACTCTTGCTGGAACATCTGTGCAAA  
 ATATTCTACACTGGAGCCAGGCAGTGAATTCGTGTGAACCTCGGGCATTGACTGGGGGAGTGAGACCAA  
 AAATCTGGA AAAATGCAATCAGCCAACCTCTGTAAGGTACAGAGTCAGAGATATGACGGTCCCTACAGCA  
 ATGTGGACAGGAGGTGAGACTGGCTTTCAAATCCAGAAGACGTGAAAATGCTGCTCTCTGAGGTGACCA  
 ACCTCATCTACCAATAAGAATATTCCTGAATGGGCTCACGTGGATTTTCATCTGGGGTTTGGATGCTCCTCA  
 CCGTATGTACAATGAAATCATCCATCTGATGCAGCAGGAGGAGACCAACCTTTCCAGGGACGGTGTGAG  
 GCCGATTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225684 representing NM\_001128215  
 Red=Cloning site Green=Tags(s)

MLETLSRQWIVSHRMEMWLLILVAYMFQRNVNSVHMPTKAVDPEAFMNISEIIQHGGYPCPEEYEVATEDG  
 YILSVNRIPRGLVQPKKTGSRPVVLLQHGLVGGASNWISNLPNNSLGFILADAGFDVWMGNSRGNWSRK  
 HKTLSDIQDEFWAFSYDEMARFDLPAVINFILQKTGQEKIYYVGYSQGTTMGFIAFSTMPELAQKIKMYF  
 ALAPIATVKHAKSPGTFKLLLPDMMIKGLFGKKEFLYQTRFLRQLVIYLCGQVILDQICSNIMLLGGFN  
 TNNMMSRASVYAAHTLAGTSVQNILHWSQAVNSGELRAFDWGSETKNLEKCNQPTPVRYRVRDMTVPTA  
 MWTGGQDWLSNPEDVKMLLSEVTNLIYHKNIPEWAHVDFIWGLDAPHRMYNEIIHLMQEEETNLSQGRCE  
 AVL

TRTRPLE – GFP Tag – V

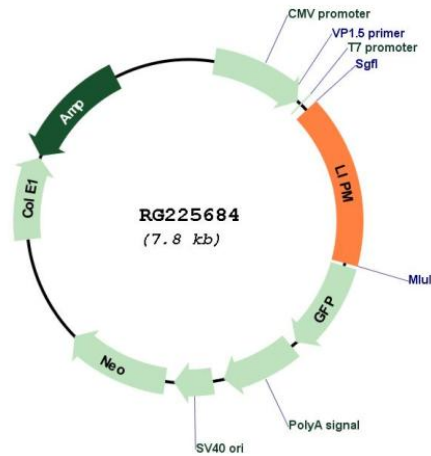
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001128215

<b>ORF Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001128215.1</a> , <a href="#">NP_001121687.1</a>
<b>RefSeq Size:</b>	1484 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	340654
<b>UniProt ID:</b>	<a href="#">Q5VYY2</a>
<b>Cytogenetics:</b>	10q23.31
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]