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# Product datasheet for RC221225L4V

## LIPF (NM_004190) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | LIPF (NM_004190) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | LIPF |
| **Synonyms:** | GL; HGL; HLAL |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_004190 |
| **ORF Size:** | 1194 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC221225). |
| **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. |
| **RefSeq:** | NM_004190.1 |
| **RefSeq Size:** | 1365 bp |
| **RefSeq ORF:** | 1197 bp |
| **Locus ID:** | 8513 |
| **UniProt ID:** | P07098 |
| **Cytogenetics:** | 10q23.31 |
| **Protein Families:** | Druggable Genome, Secreted Protein |
| **Protein Pathways:** | Glycerolipid metabolism, Metabolic pathways |

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**MW:** 45.24 kDa

**Gene Summary:** This gene encodes gastric lipase, an enzyme involved in the digestion of dietary triglycerides in the gastrointestinal tract, and responsible for 30% of fat digestion processes occurring in human. It is secreted by gastric chief cells in the fundic mucosa of the stomach, and it hydrolyzes the ester bonds of triglycerides under acidic pH conditions. The gene is a member of a conserved gene family of lipases that play distinct roles in neutral lipid metabolism. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]