

Product datasheet for **RC212751L1V**

LCT (NM_002299) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | LCT (NM_002299) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | LCT |
| Synonyms: | LAC; LPH; LPH1 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_002299 |
| ORF Size: | 5781 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC212751). |
| 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_002299.2 |
| RefSeq Size: | 6274 bp |
| RefSeq ORF: | 5784 bp |
| Locus ID: | 3938 |
| UniProt ID: | P09848 |
| Cytogenetics: | 2q21.3 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Galactose metabolism |



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MW: 218.59 kDa

Gene Summary: The protein encoded by this gene belongs to the glycosyl hydrolase 1 family of proteins. The encoded preprotein is proteolytically processed to generate the mature enzyme. This enzyme is integral to the plasma membrane and has both phlorizin hydrolase activity and lactase activity. Mutations in this gene are associated with congenital lactase deficiency. Polymorphisms in this gene are associated with lactase persistence, in which intestinal lactase activity persists at childhood levels into adulthood. [provided by RefSeq, Jan 2016]