

Product datasheet for **RC202855L2V**

LETM1 (NM_012318) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | LETM1 (NM_012318) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | LETM1 |
| Synonyms: | SLC55A1 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_012318 |
| ORF Size: | 2217 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202855). |
| 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_012318.1 , NP_036450.1 |
| RefSeq Size: | 3907 bp |
| RefSeq ORF: | 2220 bp |
| Locus ID: | 3954 |
| UniProt ID: | O95202 |
| Cytogenetics: | 4p16.3 |
| Protein Families: | Transmembrane |
| MW: | 83.35 kDa |



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Gene Summary:

This gene encodes a protein that is localized to the inner mitochondrial membrane. The protein functions to maintain the mitochondrial tubular shapes and is required for normal mitochondrial morphology and cellular viability. Mutations in this gene cause Wolf-Hirschhorn syndrome, a complex malformation syndrome caused by the deletion of parts of the distal short arm of chromosome 4. Related pseudogenes have been identified on chromosomes 8, 15 and 19. [provided by RefSeq, Oct 2009]