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# Product datasheet for RC227658L4V

## GLB1 (NM_001135602) Human Tagged ORF Clone Lentiviral Particle

### Product data:

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| **Product Type:** | Lentiviral Particles |
| **Product Name:** | GLB1 (NM_001135602) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | GLB1 |
| **Synonyms:** | EBP; ELNR1; MPS4B |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001135602 |
| **ORF Size:** | 1638 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC227658). |
| **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_001135602.1 |
| **RefSeq ORF:** | 1641 bp |
| **Locus ID:** | 2720 |
| **UniProt ID:** | P16278 |
| **Cytogenetics:** | 3p22.3 |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism |

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| **MW:** | 60.54 kDa |
| **Gene Summary:** | This gene encodes a member of the glycosyl hydrolase 35 family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature lysosomal enzyme. This enzyme catalyzes the hydrolysis of a terminal beta-linked galactose residue from ganglioside substrates and other glycoconjugates. Mutations in this gene may result in GM1-gangliosidosis and Morquio B syndrome. [provided by RefSeq, Nov 2015] |