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Product datasheet for RC216106L1V

GLB1 (NM_000404) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GLB1 (NM_000404) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GLB1
Synonyms:	EBP; ELNR1; MPS4B
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000404
ORF Size:	2030 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216106).
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_000404.1
RefSeq Size:	2409 bp
RefSeq ORF:	2034 bp
Locus ID:	2720
UniProt ID:	P16278
Cytogenetics:	3p22.3
Domains:	Glyco_hydro_35
Protein Families:	Druggable Genome

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Protein Pathways:	Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism
MW:	75.9 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]