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Product datasheet for RC215796L2V

GAA (NM_000152) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GAA (NM_000152) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GAA
Synonyms:	LYAG
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000152
ORF Size:	2856 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215796).
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_000152.2
RefSeq Size:	3846 bp
RefSeq ORF:	2859 bp
Locus ID:	2548
UniProt ID:	P10253
Cytogenetics:	17q25.3
Domains:	Glyco_hydro_31, PD
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Galactose metabolism, Lysosome, Metabolic pathways, Starch and sucrose metabolism

MW: 105.32 kDa

Gene Summary: This gene encodes lysosomal alpha-glucosidase, which is essential for the degradation of glycogen to glucose in lysosomes. The encoded preproprotein is proteolytically processed to generate multiple intermediate forms and the mature form of the enzyme. Defects in this gene are the cause of glycogen storage disease II, also known as Pompe's disease, which is an autosomal recessive disorder with a broad clinical spectrum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]