

Product datasheet for **RC219222L4V**

alpha Glucosidase II (GANAB) (NM_198335) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	alpha Glucosidase II (GANAB) (NM_198335) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GANAB
Synonyms:	G2AN; GIIA; GLUII; PKD3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198335
ORF Size:	2898 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219222).
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_198335.2
RefSeq Size:	3921 bp
RefSeq ORF:	2901 bp
Locus ID:	23193
UniProt ID:	Q14697
Cytogenetics:	11q12.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis



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MW: 109.3 kDa

Gene Summary: This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase II plays a role in protein folding and quality control by cleaving glucose residues from immature glycoproteins in the endoplasmic reticulum. Expression of the encoded protein is elevated in lung tumor tissue and in response to UV irradiation. Mutations in this gene cause autosomal-dominant polycystic kidney and liver disease. [provided by RefSeq, Jul 2016]