

Product datasheet for **RC205280L2V**

GNPTG (NM_032520) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GNPTG (NM_032520) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNPTG
Synonyms:	C16orf27; GNPTAG; LP2537; RJD9
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_032520
ORF Size:	912 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205280).
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_032520.3
RefSeq Size:	1228 bp
RefSeq ORF:	918 bp
Locus ID:	84572
UniProt ID:	Q9UJJ9
Cytogenetics:	16p13.3
Protein Families:	Secreted Protein
MW:	33.8 kDa



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Gene Summary:

This gene encodes the gamma subunit of the N-acetylglucosamine-1-phosphotransferase complex. This hexameric complex, composed of alpha, beta and gamma subunits, catalyzes the first step in synthesis of a mannose 6-phosphate lysosomal recognition marker. This enzyme complex is necessary for targeting of lysosomal hydrolases to the lysosome. Mutations in the gene encoding the gamma subunit have been associated with mucopolipidosis IIIC, also known as mucopolipidosis III gamma.[provided by RefSeq, Feb 2010]