

## Product datasheet for **RC223372L2V**

### **COPG2 (NM\_012133) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	COPG2 (NM_012133) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COPG2
Synonyms:	2-COP; gamma-2-COP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012133
ORF Size:	2613 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223372).
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. <a href="#">More info</a>
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:	<a href="#">NM_012133.3</a>
RefSeq Size:	3143 bp
RefSeq ORF:	2616 bp
Locus ID:	26958
UniProt ID:	<a href="#">Q9UBF2</a>
Cytogenetics:	7q32.2
Domains:	Adaptin_N
MW:	97.4 kDa



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**Gene Summary:**

The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).[UniProtKB/Swiss-Prot Function]