

## Product datasheet for **RC224024L4V**

### AP1G2 (NM\_080545) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	AP1G2 (NM_080545) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AP1G2
Synonyms:	adaptor-related protein complex 1, gamma 2 subunit; clathrin-associated/assembly/adaptor protein, large, gamma-2; G2AD; gamma2-adaptin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_080545
ORF Size:	2355 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224024).
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_080545.1</a> , <a href="#">NP_536806.1</a>
RefSeq Size:	3305 bp
RefSeq ORF:	2357 bp
Locus ID:	8906
Cytogenetics:	14q11.2
Domains:	Adaptin_N, Alpha_adaptinC2
MW:	86.9 kDa



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**Gene Summary:**

Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans-Golgi network to lysosomes. The adaptin family of proteins is composed of four classes of molecules named alpha, beta-, beta prime- and gamma- adaptins. Adaptins, together with medium and small subunits, form a heterotetrameric complex called an adaptor, whose role is to promote the formation of clathrin-coated pits and vesicles. The protein encoded by this gene is a gamma-adaptin protein and it belongs to the adaptor complexes large subunits family. This protein along with the complex is thought to function at some trafficking step in the complex pathways between the trans-Golgi network and the cell surface. [provided by RefSeq, Aug 2017]