

## Product datasheet for **RC207124L3V**

### **HPS2 (AP3B1) (NM\_003664) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	HPS2 (AP3B1) (NM_003664) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HPS2
Synonyms:	ADTB3; ADTB3A; HPS; HPS2; PE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003664
ORF Size:	3282 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207124).
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_003664.3</a>
RefSeq Size:	4060 bp
RefSeq ORF:	3285 bp
Locus ID:	8546
UniProt ID:	<a href="#">O00203</a>
Cytogenetics:	5q14.1
Domains:	Adaptin_N
Protein Pathways:	Lysosome



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**MW:** 121.4 kDa

**Gene Summary:** This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is part of the heterotetrameric AP-3 protein complex which interacts with the scaffolding protein clathrin. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 2. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2012]