

## Product datasheet for **RC222999L4V**

### HPS4 (NM\_152841) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	HPS4 (NM_152841) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HPS4
Synonyms:	BLOC3S2; LE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152841
ORF Size:	2109 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222999).
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_152841.2</a> , <a href="#">NP_690054.1</a>
RefSeq Size:	4778 bp
RefSeq ORF:	2112 bp
Locus ID:	89781
UniProt ID:	<a href="#">Q9NQG7</a>
Cytogenetics:	22q12.1
MW:	76.4 kDa



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**Gene Summary:**

This gene encodes a protein component of biogenesis of lysosome-related organelles complexes (BLOC). BLOC complexes are important for the formation of endosomal-lysosomal organelles such as melanosomes and platelet dense granules. Mutations in this gene result in subtype 4 of Hermansky-Pudlak syndrome, a form of albinism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]