Product datasheet for MR221499L4V

Hps6 (NM_176785) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hps6 (NM_176785) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hps6
Synonyms:	5330434M19Rik; BLOC2; ru
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_176785
ORF Size:	2415 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221499).
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_176785.3, NP_789742.2
RefSeq Size:	2696 bp
RefSeq ORF:	2418 bp
Locus ID:	20170
UniProt ID:	Q8BLY7
Cytogenetics:	19 38.75 cM

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Gene Summary: May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules (By similarity). Acts as cargo adapter for the dynein-dynactin motor complex to mediate the transport of lysosomes from the cell periphery to the perinuclear region. Facilitates retrograde lysosomal trafficking by linking the motor complex to lysosomes, and perinuclear positioning of lysosomes is crucial for the delivery of endocytic cargos to lysosomes, for lysosome maturation and functioning (PubMed:25189619).[UniProtKB/Swiss-Prot Function]