

Product datasheet for **MR209928L4V**

Hps4 (NM_138646) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hps4 (NM_138646) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hps4
Synonyms:	2010205O06Rik; AU040608; BLOC-3; C130020P05Rik; le; mKIAA1667
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138646
ORF Size:	2016 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209928).
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_138646.2 , NP_619587.2
RefSeq Size:	2852 bp
RefSeq ORF:	2016 bp
Locus ID:	192232
UniProt ID:	Q99KG7
Cytogenetics:	5 54.69 cM



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Gene Summary:

Component of the BLOC-3 complex, a complex that acts as a guanine exchange factor (GEF) for RAB32 and RAB38, promotes the exchange of GDP to GTP, converting them from an inactive GDP-bound form into an active GTP-bound form. The BLOC-3 complex plays an important role in the control of melanin production and melanosome biogenesis and promotes the membrane localization of RAB32 and RAB38.[UniProtKB/Swiss-Prot Function]