

Product datasheet for **MR200298L4V**

Bloc1s2 (NM_028607) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bloc1s2 (NM_028607) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bloc1s2
Synonyms:	2410089B13Rik; Bloc1s2a; BLOS2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028607
ORF Size:	300 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200298).
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_028607.1 , NP_082883.1
RefSeq Size:	910 bp
RefSeq ORF:	432 bp
Locus ID:	73689
UniProt ID:	Q9CWG9
Cytogenetics:	19 C3



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Gene Summary:

Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes (By similarity). In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals (PubMed:16760431, PubMed:21998198). The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension (PubMed:19546860). As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor (By similarity).[UniProtKB/Swiss-Prot Function]