

## Product datasheet for **MR203753L3V**

### **Bpifa1 (NM\_011126) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Bpifa1 (NM_011126) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bpifa1
Synonyms:	LUNX; NASG; Plunc; SPLUNC1; SPURT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011126
ORF Size:	837 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203753).
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_011126.1</a>
RefSeq Size:	1109 bp
RefSeq ORF:	837 bp
Locus ID:	18843
UniProt ID:	<a href="#">P97361</a>
Cytogenetics:	2 H1



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**Gene Summary:**

Lipid-binding protein which shows high specificity for the surfactant phospholipid dipalmitoylphosphatidylcholine (DPPC) (By similarity). Plays a role in the innate immune responses of the upper airways (PubMed:23499554). Reduces the surface tension in secretions from airway epithelia and inhibits the formation of biofilm by pathogenic Gram-negative bacteria, such as *P.aeruginosa* and *K.pneumoniae* (PubMed:23499554). Negatively regulates proteolytic cleavage of SCNN1G, an event that is required for activation of the epithelial sodium channel (ENaC), and thereby contributes to airway surface liquid homeostasis and proper clearance of mucus (By similarity). Plays a role in the airway inflammatory response after exposure to irritants (By similarity). May attract macrophages and neutrophils (By similarity).[UniProtKB/Swiss-Prot Function]