

Product datasheet for **MR205670L4V**

Lefty2 (NM_177099) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lefty2 (NM_177099) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lefty2
Synonyms:	6030463A22Rik; Eba; EbaF; Left; Lefta; Leftb; lefty-2; lefty-B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177099
ORF Size:	1107 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205670).
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_177099.3
RefSeq Size:	2534 bp
RefSeq ORF:	1107 bp
Locus ID:	320202
UniProt ID:	P57785
Cytogenetics:	1 H4



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Gene Summary:

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in left-right asymmetry determination of organ systems during development. This protein is also important in self-renewal and differentiation of mouse embryonic stem cells. Mice lacking a functional copy of this gene exhibit defects in axial and left-right patterning. [provided by RefSeq, Aug 2016]