

## Product datasheet for **MR219466L4V**

### II11 (NM\_008350) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	II11 (NM_008350) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	II11
Synonyms:	IL-11
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008350
ORF Size:	597 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219466).
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_008350.4</a> , <a href="#">NP_032376.1</a>
RefSeq Size:	1949 bp
RefSeq ORF:	600 bp
Locus ID:	16156
UniProt ID:	<a href="#">P47873</a>
Cytogenetics:	7 2.76 cM



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**Gene Summary:**

Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:8913282). Also promotes the proliferation of hepatocytes in response to liver damage (PubMed:22253262). Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation, also in the context of various cancers (PubMed:10026196, PubMed:23948300). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3 (PubMed:23948300, PubMed:22253262).[UniProtKB/Swiss-Prot Function]