

Product datasheet for **MR226748L4V**

II4 (NM_021283) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	II4 (NM_021283) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	II4
Synonyms:	BSF-1; II-4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021283
ORF Size:	420 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226748).
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_021283.2 , NP_067258.1
RefSeq Size:	605 bp
RefSeq ORF:	423 bp
Locus ID:	16189
UniProt ID:	P07750
Cytogenetics:	11 31.97 cM



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Gene Summary:

Participates in at least several B-cell activation processes as well as of other cell types (PubMed:3083412). It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells (PubMed:3498301). It enhances both secretion and cell surface expression of IgE and IgG1 (PubMed:3498301). It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes. Positively regulates IL31RA expression in macrophages (PubMed:25847241). Stimulates autophagy in dendritic cells by interfering with mTORC1 signaling and through the induction of RUFY4 (PubMed:26416964).[UniProtKB/Swiss-Prot Function]