

Product datasheet for **MR216094L4V**

Naip2 (NM_010872) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Naip2 (NM_010872) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Naip2
Synonyms:	Birc1b; Naip-rs6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010872
ORF Size:	4341 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216094).
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_010872.3 , NP_035002.2
RefSeq Size:	4853 bp
RefSeq ORF:	4344 bp
Locus ID:	17948
UniProt ID:	Q9QUK4
Cytogenetics:	13 53.01 cM



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Gene Summary:

Sensor component of the NLRC4 inflammasome that specifically recognizes and binds type III secretion system (T3SS) rod proteins such as *S.typhimurium* (Salmonella) PrgJ and *B.thailandensis* BsaK from pathogenic bacteria. Association of pathogenic bacteria proteins drives in turn drive assembly and activation of the NLRC4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria. The NLRC4 inflammasome senses Gram-negative bacteria such as *L.pneumophila* and *P.aeruginosa*, enteric pathogens *S.typhimurium* (Salmonella) and *S.flexneri*. Prevents motor-neuron apoptosis induced by a variety of signals.[UniProtKB/Swiss-Prot Function]