

Product datasheet for **MR204029L4V**

Sgf29 (NM_029339) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sgf29 (NM_029339) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sgf29
Synonyms:	1700023O11Rik; 9530025I05Rik; Ccdc101
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029339
ORF Size:	882 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204029).
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_029339.2 , NP_083615.2
RefSeq Size:	1174 bp
RefSeq ORF:	882 bp
Locus ID:	75565
UniProt ID:	Q9DA08
Cytogenetics:	7 F3



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Gene Summary:

Chromatin reader component of some histone acetyltransferase (HAT) SAGA-type complexes like the TFC-HAT, ATAC or STAGA complexes. SGF29 specifically recognizes and binds methylated 'Lys-4' of histone H3 (H3K4me), with a preference for trimethylated form (H3K4me3). In the SAGA-type complexes, SGF29 is required to recruit complexes to H3K4me. Involved in the response to endoplasmic reticulum (ER) stress by recruiting the SAGA complex to H3K4me, thereby promoting histone H3 acetylation and cell survival.[UniProtKB/Swiss-Prot Function]