

Product datasheet for **MR218533L4V**

Gsap (NM_175437) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gsap (NM_175437) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gsap
Synonyms:	A530088I07Rik; Pion
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175437
ORF Size:	2574 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218533).
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_175437.3 , NP_780646.2
RefSeq Size:	3745 bp
RefSeq ORF:	2577 bp
Locus ID:	212167
UniProt ID:	Q3TCV3
Cytogenetics:	5 A3


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Gene Summary:

Regulator of gamma-secretase activity, which specifically activates the production of amyloid-beta protein (amyloid-beta protein 40 and amyloid-beta protein 42), without affecting the cleavage of other gamma-secretase targets such as Notch. The gamma-secretase complex is an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein). Specifically promotes the gamma-cleavage of APP CTF-alpha (also named APP-CTF) by the gamma-secretase complex to generate amyloid-beta, while it reduces the epsilon-cleavage of APP CTF-alpha, leading to a low production of AICD.[UniProtKB/Swiss-Prot Function]