

Product datasheet for **MR209170L4V**

Senp2 (NM_029457) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Senp2 (NM_029457) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Senp2
Synonyms:	2310007L05Rik; 4930538C18Rik; A1646780; AW554757; mKIAA1331; Smt3ip2; SuPr-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029457
ORF Size:	1767 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209170).
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_029457.2 , NP_083733.1
RefSeq Size:	4499 bp
RefSeq ORF:	1767 bp
Locus ID:	75826
UniProt ID:	Q91ZX6
Cytogenetics:	16 B1



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Gene Summary:

Protease that catalyzes two essential functions in the SUMO pathway. The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins. The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein. May down-regulate CTNBN1 levels and thereby modulate the Wnt pathway. Deconjugates SUMO2 from MTA1 (By similarity). Plays a dynamic role in adipogenesis by desumoylating and promoting the stabilization of CEBPB (PubMed:20194620). Isoform 3 activates transcription. [UniProtKB/Swiss-Prot Function]