

Product datasheet for MR209336L4

Papss1 (BC066055) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Papss1 (BC066055) Mouse Tagged Lenti ORF Clone

Tag: mGFP
Symbol: Papss1

Synonyms: Al325286; Asapk; SK1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

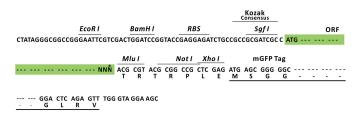
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR209336).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: BC066055 **ORF Size:** 1809 bp



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Papss1 (BC066055) Mouse Tagged Lenti ORF Clone - MR209336L4

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>BC066055</u>, <u>AAH66055</u>

RefSeq Size: 2673 bp
RefSeq ORF: 1811 bp
Locus ID: 23971

Cytogenetics: 3 61.05 cM

Gene Summary: Bifunctional enzyme with both ATP sulfurylase and APS kinase activity, which mediates two

steps in the sulfate activation pathway. The first step is the transfer of a sulfate group to ATP

to yield adenosine 5'-phosphosulfate (APS), and the second step is the transfer of a

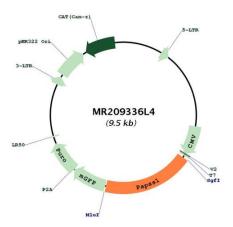
phosphate group from ATP to APS yielding 3'-phosphoadenylylsulfate (PAPS: activated sulfate donor used by sulfotransferase). In mammals, PAPS is the sole source of sulfate; APS appears to be only an intermediate in the sulfate-activation pathway (PubMed:7493984). Required for

normal biosynthesis of sulfated L-selectin ligands in endothelial cells (By similarity).

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR209336L4