

Product datasheet for **MC218279**

Papss1 (BC066055) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papss1 (BC066055) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Papss1
Synonyms:	A1325286; Asapk; SK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGAGAGCAACCAACGTACCTATCAAGCCCACCATGTCAGCAGGAATAAGAGAGGGCAGGTGGTGG
 GGACCAGAGGTGGCTTCGGTGGTTGCACAGTTTGGCTGACAGGATTGTCCGGAGCAGGGAAGACGACCGT
 GAGCATGGCTCTGGAGGAGTACCTGGTGTGCCACGGCATTCCGTGCTACACTTTGGATGGTGACAACATC
 CGCCAAGGACTCAATAAGAACCTCGGCTTCAGTCTGAGGACAGAGAAGAGAACGTTCCGCCATAGCTG
 AGGTGGCGAAGCTGTTTGCAGATGCTGGCTTAGTGTATCACCAGCTTTATATCGCCTTACACACAGGA
 TCGCAACAACGCAAGGCAGATTCATGAGGGTGAAGCTTGCCCTCTTTGAAGTTTTTGTGATGCTCCT
 CTGCATGTCTGTGAGCAGAGGGATGTCAAAGCCCTCTACAAGAAGGCGCGGCAGGGGAGATAAAAGGCT
 TCACTGGCATCGATTCTGAGTATGAGAAACCCGAGGCCCGGAGCTGGTGTGAAAACGGATTCTGTGA
 CGTCAACGACTGGTCCAGCAGGTTGTGGAGCTTCTTCAGGAACGGGACATCGTCCCTGTGGATGCTTCC
 TATGAAGTGAAAGAGCTATATGTGCCAGAGAATAAACTTCACTTGCCAAAACCTGATGCAGAAGCCTTAC
 CAGCCCTGAAAATCAATAAAGTGGATATGCAGTGGGTGCAGGTTTTGGCAGAAGGTTGGGCGACTCCTCT
 GAACGGCTTATGAGAGAGAGGGAGTACTTGCAGTGCCTCCATTTGATTGTCTTCTGGATGGAGGCGTC
 ATCAACTTATCGGTGCCTATAGTTCTGACAGCTACGCACGAGGATAAGGAGAGGCTGGACGGCTGCACCG
 CGTTTCGCTCTGGTGTATGAGGGCCGCGCGTGGCCATCCTTCGGAATCCTGAATTTTTGAGCACCGGAA
 AGAGGAGCGGTGTGCCAGACAGTGGGGAACAACATGCAAGAACCACCCCTACATCAAGATGGTCTGGAA
 CAAGGGGATTGGCTGATTGGAGGAGATCTCAAGTCTGGACCGGATTTACTGGAATGATGGTCTTGATC
 AGTACCGCCTTACCCCGACGGAGCTCAAGCAGAAGTTTAAAGATATGAACGCTGATGCTGTCTTTGCATT
 TCAGTTGCGCAACCCAGTGCACAACGGGCACGCTCTGTTAATGCAGGATACCCACAAGCAGCTTCTGGAG
 AGGGGCTACCGGCGCCCTGTCCTGCTCCTCATCTCTTGGTGGCTGGACGAAGGATGACGATGTCCCTC
 TGATGTGGCGTATGAAGCAGCACGCTGCAGTGTGGAGGAGGCATCCTGGATCCTGAAACGACAGTGGT
 GGCCATTTTCCCGTCTCCTATGATGTATGCTGGGCCAACCGAGGTCCAGTGGCACTGCAGGGCGCGGATG
 GTGGCCGAGCCAATTTTATATTGTTGGACGAGACCCTGCTGGCATGCCTATCCGGAGACAGGGAAGG
 ACCTCTATGAGCCAACACATGGTGCCAAAGTGTGACGATGGCCCCAGGCCTGATTACCTTGAAATCGT
 TCCCTCCGAGTTGCAGCTTACAACAAGAAAAAGAAGCGGATGGACTACTATGACTCTGAGCACCACGAA
 GACTTCGAGTTTATTTTCAGGAACGAGGATGCGCAAGCTGGCACGGAAGGCCAGAAACCTCCAGAGGGCT
 TCATGGCCCCCAAGGCCTGGACTGTGCTGGTAGAGTACTACAAGTCTTAGAGAAAGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC066055

Insert Size: 1812 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:** [BC066055](#), [AAH66055](#)
- 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]