

## Product datasheet for **TP509336**

### Papss1 (BC066055) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse 3'-phosphoadenosine 5'-phosphosulfate synthase 1 (cDNA clone MGC:91299 IMAGE:6833756), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR209336 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MQRATNVTYQAAHVS RNKRQVVGTRGGFRGCTVWLTGLSGAGKTTVSMALEEYLVCHGIPCYTLDGDNI RQGLNKNLGFSPEDREENVRRIAEVAKLFADAGLVCITSFISPYTQDRNNARQIHEGASLPFFEVFVDAP LHVCEQRDVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVKTDSCDVNDCVQQVWELLQERDIVPVDAS YEVKELYVPENKLHLAKTDAEALPALKINKVDMQVWVQVLAEGWATPLNGFMREREYLQCLHFDCLLDGGV INLSVPIVLTATHEDKERLDGCTAFALVYEGRRVAILRNPEFFEHRKEERCARQWGTTCKNHPYIKMVLE QGDWLIGGDLQVLDRIYWNDGLDQYRLTPTTELKQKFKDMNADAVFAFQLRNPVHNGHALLMQDTHKQLLE RGYRRPVLLLHPLGGWTKDDDVPLMWRMKQHAAVLEEGILDPETTVAIFPSPMMYAGPTEVQWHCRARM VAGANFYIVGRDPAGMPHPETGKDLYEPHTGAKVLTMAPGLITLEIVPFRVAAYNKKKKRMDYYDSEHHE DFEFISGTRMRKLAREGQKPPEGFMAPKAWTVLVEYYKSLEKA  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	68.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID: 23971

UniProt ID: [Q60967](#)

RefSeq Size: 2673

Cytogenetics: 3 61.05 cM

RefSeq ORF: 1809

Synonyms: A1325286; Asapk; SK1

**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]