

## Product datasheet for **TP317023M**

### PAPSS1 (NM\_005443) Human Recombinant Protein

#### Product data:

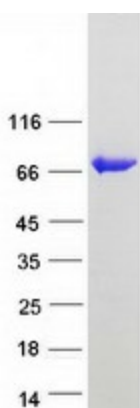
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 3'-phosphoadenosine 5'-phosphosulfate synthase 1 (PAPSS1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217023 representing NM_005443 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEIPGSLCKKVKLSNNAQNWGMQRATNVTYQAHHVS RNKRQVWGTRGGFRGCTVWLTGLSGAGKTTVSM ALEEYL VCHGIPCYTLDGDNIRQGLNKNLGFSPEDREENVRRIAEVAKLFADAGLVCITSFISPYTQDRN NARQIHEGASLPFFEVFDAPLHVCEQRDVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVKTDSCDVN DCVQQVVELLQERDIVPDASYEVKELYVPENKHLAKTDAETLPALKINKVDMQVWVLAEGWATPLNG FMREREYLQCLHFDCLLDGGVINLSVPIVLTATHEDKERLDGCTAFALMYEGRRVAILRNPEFFEHKKEE RCARQWGTTCKNHPYIKMVMEQGDWLIGGDLQVLDRVYWN DGLDQYRLTPTELKQKFKDMNADAVFAFQL RNPVHNGHALLMQDTHKQLLERYRRPVLLHPLGGWTKDDDVPLMWRMKQHA AVLEEGVLNPETTVAI FPSPMMYAGPTEVQWHCRARMVAGANFYIVGRDPAGMPHPETGKDLYEP SHGAKVLTMAPGLITLEIVPF RVAAYNKKKKRMDYYDSEHHEDFEFISGTRMRK LAREGQKPPEGFMAPKAWTVLTEYYKSLEKA  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	70.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<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.
<b>RefSeq:</b>	<a href="#">NP_005434</a>
<b>Locus ID:</b>	9061
<b>UniProt ID:</b>	<a href="#">O43252</a>
<b>RefSeq Size:</b>	2558
<b>Cytogenetics:</b>	4q25
<b>RefSeq ORF:</b>	1872
<b>Synonyms:</b>	ATPSK1; PAPSS; SK1
<b>Summary:</b>	Three-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) is the sulfate donor cosubstrate for all sulfotransferase (SULT) enzymes (Xu et al., 2000 [PubMed 10679223]). SULTs catalyze the sulfate conjugation of many endogenous and exogenous compounds, including drugs and other xenobiotics. In humans, PAPS is synthesized from adenosine 5-prime triphosphate (ATP) and inorganic sulfate by 2 isoforms, PAPSS1 and PAPSS2 (MIM 603005).[supplied by OMIM, Mar 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Purine metabolism, Selenoamino acid metabolism, Sulfur metabolism

### Product images:



Coomassie blue staining of purified PAPSS1 protein (Cat# [TP317023]). The protein was produced from HEK293T cells transfected with PAPSS1 cDNA clone (Cat# [RC217023]) using MegaTran 2.0 (Cat# [TT210002]).