

## Product datasheet for **AR50215PU-S**

### PAPSS1 (24-624, His-tag) Human Protein

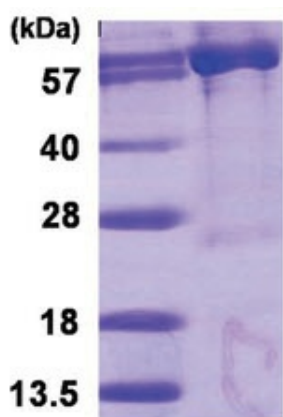
#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PAPSS1 (24-624, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMMRATNV TYQAHHSRN KRGQVWGTRG GFRGCTWWLT GLSGAGKTTV SMALEEYLCV HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIA EVAK LFADAGLVCI TSFISPYTQD RNNARQIHEG ASLPFFEVFV DAPLHVCEQR DVKGLYK KAR AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQQVVE LLQERDIVPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVDMQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHK EERCARQWGT TCKNHPYIKM VMEQGDWLG GDLQVLDVY WNDGLDQYRL TPELTKQKFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHA AVLEE GVLNPETTV AIFPSPMMYA GPTEVQWHCR ARMVAGANFY IVGRDPAGMP HPETGKDLYE PSHGAKVLTM APGLITLEIV PFRVAAYNKK KKRMDYYDSE HHEDFEFISG TRMRKLAREG QKPPEGFMAP KAWTVLTEYY KSLEKA
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	70.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PAPSS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_005434</a>



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Locus ID:	9061
UniProt ID:	<a href="#">O43252</a>
Cytogenetics:	4q25
Synonyms:	ATPSK1, PAPSS, PAPSS 1, Sulfurylase kinase 1, SK1
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism, Selenoamino acid metabolism, Sulfur metabolism

**Product images:**

15% SDS-PAGE (3ug)