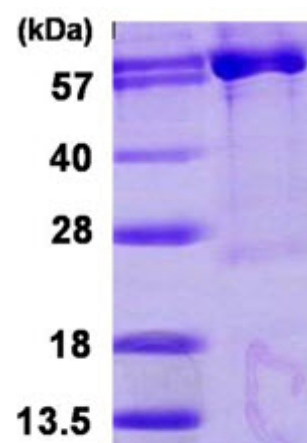


AR50215PU-N

Human PAPSS1 (24-624, His-tag) - Purified

Alternate names:	ATPSK1, Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1, PAPSS, PAPSS 1, SK1, Sulfurylase kinase 1
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	PAPSS1, also known as bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1, is a bifunctional enzyme with both ATP sulfurylase and APS kinase activity, which mediates two steps in the sulfate activation pathway, yielding 3'-phosphoadenylylsulfate (PAPS). PAPSS1 is also involved in the biosynthesis of sulfated L-selectin ligands in endothelial cells.
Uniprot ID:	O43252
NCBI:	NP_005434
GeneID:	9061
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl
Description:	Recombinant human PAPSS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGS HRATNV TYQAHVSRN KRGQVVGTRG GFRGCTVWLT GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIA EVAK LFADAGLVCI TSFISPYTQD RNNARQIHEG ASLPFFEVFV DAPLHVCEQR DVKGLYKKAR AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQVVVE LLQERDIVPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVD MQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHRK EERCARQWGT TCKNHPYIKM VMEQGDWLG GDLQVLDRVY WNDGLDQYRL TPTCLKQKFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHA AVLEE GVLNPETTVV AIFPSPMYA GPTEVQWHCR ARMVAGANFY IVGRDPAGMP HPETGKDLYE PSHGAKVLTM APGLITLEIV PFRVAAYNKK KKRMDYYDSE HHEDFEFISG TRMRKLAREG QKPPEGFMAP KAWTVLTEYY KSLEKA Molecular weight: 70.9 kDa (626aa)
Storage:	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. Shelf life: one year from despatch.
General Readings:	Girard J.-P., et al. (1998) FASEB J. 12:603-612 Venkatachalam K.V., et al. (1999) J. Biol. Chem. 274:2601-2604

Pictures:



15% SDS-PAGE (3ug)