

PAPSS1 recombinant protein

PAPSS1, 24-624aa, Human, His tag, E Coli

CATALOG # AAA48726	HOST E Coli	APPLICATIONS SDS-Page
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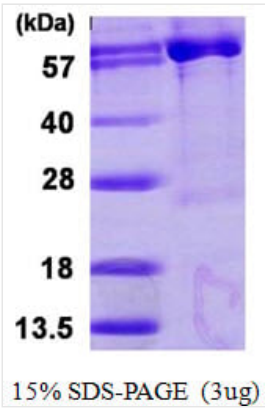
PRODUCT SYNONYMS

PAPSS1; 24-624aa; Human; His tag; E Coli; Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1; ATPSK1; PAPSS; SK1; PAPSS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSHMRATNV TYQAHVSRN KRGQVVGTRG GFRGCTVWLT GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIAEVAK LFADAGLVC I TSFISPYTQD RNNARQIH EG ASLPFFEVFV DAPLHVCEQR DVKGLYKKAR AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQQVVE LLQERDIVPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVDMQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHRK EERCARQWGT TCKNHPIYKM VMEQGDWLIG GDLQVLD RYV WNDGLDQYRL TPTLQKQFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHA AVLEE GVLNPETT VV AIFPSPMMYA GPTEVQWHCR ARMVAGANFY IVGRDPAGMP HPETGKDLYE PSHGAKVLT M APGLITLEIV PFRVAAYNKK KKRMDYYDSE HHEDFEFISG TRMRKLAREG QKPPEGFMAP KAWTVLTEYY KSLEKA
Sequence Length	624
Applicable Applications for PAPSS1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PAPSS1 recombinant protein	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. Recombinant human PAPSS1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for PAPSS1 recombinant protein	Enzymes & Proteases
References	Girard J.-P., et al. (1998) FASEB J. 12:603-612; Venkatachalam K.V., et al. (1999) J. Biol. Chem. 274:2601-2604

NCBI AND UNIPROT INFORMATION

NCBI GI #	46094058
NCBI GeneID	9061
NCBI Accession #	NP_005434
NCBI GenBank Nucleotide #	NM_005443.4
UniProt Accession #	O43252; O43841; O75332; Q6IAX6; Q96FB1; Q96TF4; Q9P1P9; Q9UE98
Molecular Weight	70.9 kDa (626aa)
NCBI Official Full Name	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1
NCBI Official Synonym Full Names	3'-phosphoadenosine 5'-phosphosulfate synthase 1
NCBI Official Symbol	PAPSS1
NCBI Official Synonym Symbols	SK1; PAPSS; ATPSK1
NCBI Protein Information	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1
UniProt Protein Name	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1
UniProt Gene Name	PAPSS1
UniProt Synonym Gene Names	ATPSK1; PAPSS; SAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.