

## 32-2643: PAPSS1 Recombinant Protein

### Alternative Name :

3'-phosphoadenosine 5'-phosphosulfate synthase 1,ATPSK1,PAPSS 1,SK 1,3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1,bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1,PAPS synthase 1,Sulfurylase kinase 1,EC 2.7.1.25.

### Description

Source : E.coli. PAPSS1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 626 amino acids (24-624) and having a molecular mass of 70.9kDa.PAPSS1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PAPSS1 is a bifunctional enzyme with APS kinase and ATP sulfurylase activity. PAPSS1 facilitates two stages in the sulfate activation pathway, yielding 3'-phosphoadenylylsulfate (PAPS). Additionally, PAPSS1 takes part in the biosynthesis of sulfated L-selectin ligands in endothelial cells.

### Product Info

#### Amount :

20 µg

#### Purification :

Greater than 85% as determined by SDS-PAGE.

#### Content :

The PAPSS1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 20% glycerol.

#### Storage condition :

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

#### Amino Acid :

MGSSHHHHHH SSGLVPRGSH MGS HMRATNV TYQAHVSRN KRGQVVGTRG GFRGCTVWLT  
GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIAEVAK LFADAGLVCI  
TSFISPYTQD RNNARQIHEG ASLPFEV FV DAPLHVCEQR DVKGLYKKAR AGEIKGFTGI DSEYEKPEAP  
ELVLKTDSCD VNDCVQQVVE LLQERDIPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVDMQWVQ  
VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL  
RNPEFFEHRK EERCARQWGT TCKNHPYIKM VMEQGDWLG GDLQVLDRVY WNDGLDQYRL  
TPTCLKQKFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT  
KDDDVPLMWR MKQHAAVLEE GVLNPETT VV AIFSPM MYA GPTEVQWHCR ARMVAGANFY  
IVGRDPAGMP HPETGKDLYE PSHGAKVLT M APGLITL EIV PFRVAAYNKK KKRMDYYDSE HHEDFEFISG  
TRMRKLAREG QKPPEGFMAP KAWTVLTEYY KSLEKA.

