

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 SGLVPRGSH MGS HRATNV TYQAHVSRN KRGQVVGTRG GFRGCTVWLT
GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIA EVAK
LFADAGLVCI TSFISPYTQD RNNARQIHEG ASLPFFEVFV DAPLHVCEQR DVKGLYKKAR
AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQQVVE LLQERDIPV DASYEVKELY
VPENKLHLAK TDAETLPALK INKVD MQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD
GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHRK EERCARQWGT
TCKNHPYIKM VMEQGDWLG GDLQVLDRVY WNDGLDQYRL TPELTKQKFK DMNADAVFAF
QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHA AVLEE
GVLNPETTVV AIFSPMYA GPTEVQWHCR ARMVAGANFY IVGRDPAGMP HPETGKDLYE
PSHGAKVLTM APGLITLEIV PFRVAAYNKK KKRMDYYDSE HHDEFEFISG TRMRKLAREG
QKPPEGFMAP KAWTVLTEYY KSLEKA.

