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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 MGSHMRATNV TYQAHHVSRN KRGQVVGTRG GFRGCTVWLT GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIAEVAK LFADAGLVCI TSFISPYTQD RNNARQIHEG ASLPFFEVFV DAPLHVCEQR DVKGLYKKAR AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQQVVE LLQERDIVPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVDMQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHRK EERCARQWGT TCKNHPYIKM VMEQGDWLIG GDLQVLDRVY WNDGLDQYRL TPTELKQKFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHAAVLEE GVLNPETTVV AIFPSPMMYA GPTEVQWHCR ARMVAGANFY IVGRDPAGMP HPETGKDLYE PSHGAKVLTM APGLITLEIV PFRVAAYNKK KKRMDYYDSE HHEDFEFISG TRMRKLAREG QKPPEGFMAP KAWTVLTEYY KSLEKA.