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PAPSS1, 24-624aa, Human, His tag, E.coli

产品货号: TP03289

第三版

别名: Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1, ATPSK1, PAPSS, SK1.

描述: 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.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl

分子量: 70.9 kDa (626aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSHMRATNVTYQAHHVS RNKRGQVVGTRGGFRGCTVWLTGLSGAGKTTVSMAL  
EYL VCHGIPC YTL DGDNIRQGLNKNLGFSPEDREENVRRIAEVAKLFADAGLVCITSFISPYTQDRN NARQIHEGASLPFFE  
VFVDAPLHVCEQRDVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVLKT DSCDVND CVQQVVELLQERDIPVDASYEVK  
ELYVPENKLHLAKTDAETLPALKINKVDMQWVQVLAEGWATPLNGFMRER EYLQCLHFDCLLDGGVINLSVPIVLTATH  
EDKERLDGCTAFALMYEGRRVAILRNPEFFEHRKEERCARQWGTTCKNHPYIKMVMEQGDWLI GGDLQVLDRVYWND  
GLDQYRLTPTELKQKFKDMNADAVFAFQLRNVPVHNGHALLMQDTHKQLL ERGYRRPVLLLHPLGGWTKDDD VPLMW  
RMKQHA AVLEEGVLNPETTVAIFPSPMMYAGPTEVQWHCRARMVAGANFYIVGRDPAGMPHPETGKDLYEPSHGAK  
VLTMAPGLITL EIVPFRVAAYNKKKKRMDYYDSEHHEDFEFISGTRMRKLAREGQK PPEGFMAPKAWTVLTEYYKSLEKA
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纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.