

3'-Phosphoadenosine 5'-Phosphosulfate Synthase 1 Human Recombi-

Item Number	rAP-1840
Synonyms	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	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.
Uniprot Accesion Number	O43252
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMRATNV TYQAHVSRN KRGQVVGTRG GFRGCTVWLT GLSGAGKTTV SMALEEYLVC HGIPCYTLDG DNIRQGLNKN LGFSPEDREE NVRRIAIEVAK LFADAG- LVC I TSFISPYTQD RNNARQIHEG ASLPFFFEV FV DAPLHVCEQR DVKGLYKKAR AGEIKGFTGI DSEYEKPEAP ELVLKTDSCD VNDCVQQVVE LLQERDIVPV DASYEVKELY VPENKLHLAK TDAETLPALK INKVDMQWVQ VLAEGWATPL NGFMREREYL QCLHFDCLLD GGVINLSVPI VLTATHEDKE RLDGCTAFAL MYEGRRVAIL RNPEFFEHRK EERCARQWGT TCKNHPYIKM VMEQGDWLG GDLQVLD RYV WNDGLDQYRL TPELTKQKFK DMNADAVFAF QLRNPVHNGH ALLMQDTHKQ LLERGYRRPV LLLHPLGGWT KDDDVPLMWR MKQHA AVLEE GVLNPETTVV AIFPSPM-
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The PAPSS1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 20% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**