

Recombinant Human PAPSS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAPSS1-2102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAPSS1 MS Standard C13 and N15-labeled recombinant protein (NP_005434) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Three-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) is the sulfate donor cosubstrate for all sulfotransferase (SULT) enzymes. SULTs catalyze the sulfate conjugation of many endogenous and exogenous compounds, including drugs and other xenobiotics. In humans, PAPS is synthesized from adenosine 5-prime triphosphate (ATP) and inorganic sulfate by 2 isoforms, PAPSS1 and PAPSS2.
Molecular Mass	70.7 kDa
AA Sequence	MEIPGSLCKKVKLSNNAQNWGMQRATNVTYQAHVSRNKRQVVGTRGGFRGCT VWLTGLSGAGKTTVSMALLEEYLCHGIPCYTLDGDNIRQGLNKNLGFSPEDREENV RRIA EVAKL FADAGLVCITSFISPYTQDRNNARQIHEGASLPFFE VFVDAPLHVCEQR DVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVLKT DSCDVNDCVQQVVELLQERDI VPVDASYEVKELYVPENKLHLAKTDAETLPALKINKVDMQWVQVLAEGWATPLNGF MREREYLQCLHFDCLLDGGVINLSVPIVLTATHEDKERLDGCTAFALMYEGRRVAILR NPEFFEHRKEERCARQWGTTCKNHPIYIKMVMEQGDWLIGGDLQVLDRVYWNDGL DQYRLTPTELKQKFKDMNADAVFAFQLRNPVHNGHALLMQDTHKQLLERGYRRPV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LLLHPLGGWTKDDDDVPLMWRMKQHAHVLEEGVLNPETTVAIFPSPMMYAGPTEV
 QWHCRARMVAGANFYIVGRDPAGMPHPETGKDLYEPSHGAKVLTMAPGLITLEIVP
 FRVAAYNKKKKRMDYYDSEHHEDFEFISGTRMRKLAREGQKPPEGFMAPKAWTVL
 TEYYKSLEKATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PAPSS1 3-phosphoadenosine 5-phosphosulfate synthase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [PAPSS1](#)

Synonyms PAPSS1; 3-phosphoadenosine 5-phosphosulfate synthase 1; bifunctional 3-phosphoadenosine 5-phosphosulfate synthase 1; ATPSK1; PAPSS; SK 1; PAPSS 1; PAPS synthase 1; sulfurylase kinase 1; 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1; SK1;

Gene ID [9061](#)

mRNA Refseq [NM_005443](#)

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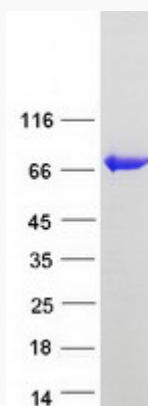
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Protein Refseq NP_005434

MIM 603262

UniProt ID O43252

SDS-PAGE



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