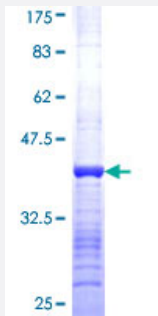


PAPSS1 (Human) Recombinant Protein (Q01)

Catalog # H00009061-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PAPSS1 partial ORF (NP_005434, 144 a.a. - 252 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QIHEGASLPFFFEVFDAPLHVCEQRDVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVKTDSCD VNDCVQQVVVELLQERDMPVDASYEVKELYVPENKLHLAKTDAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (98); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PAPSS1

Entrez GeneID [9061](#)

GeneBank Accession# [NM_005443](#)

Protein Accession# [NP_005434](#)

Gene Name PAPSS1

Gene Alias ATPSK1, PAPSS, SK1

Gene Description 3'-phosphoadenosine 5'-phosphosulfate synthase 1

Omim ID [603262](#)

Gene Ontology [Hyperlink](#)

Gene Summary Three-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) is the sulfate donor cosubstrate for all sulfotransferase (SULT) enzymes (Xu et al., 2000 [PubMed 10679223]). 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 (MIM 603005).[supplied by OMIM]

Other Designations 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Selenoamino acid metabolism](#)

- [Sulfur metabolism](#)

Disease

- [Alcoholism](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Liver Neoplasms](#)