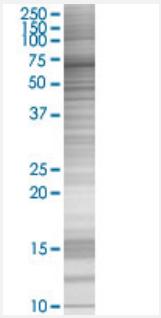
PAPSS2 293T Cell Transient Overexpression Lysate(Denatured)

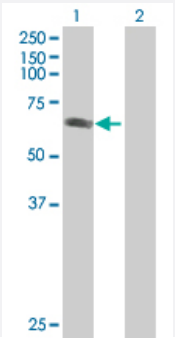
Catalog # H00009060-T01 Size 100 uL

Applications



SDS-PAGE Gel

PAPSS2 transfected lysate.



Western Blot

Lane 1: PAPSS2 transfected lysate (69.5 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PAPSS2 full-length
Host	Human
Theoretical MW (kDa)	69.5
Interspecies Antigen Sequence	Mouse (91); Rat (92)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PAPSS2 antibody (H00009060-B01) by Western Blots. SDS-PAGE Gel PAPSS2 transfected lysate. Western Blot Lane 1: PAPSS2 transfected lysate (69.5 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PAPSS2

Entrez GeneID	9060
GeneBank Accession#	NM_004670.3
Protein Accession#	-
Gene Name	PAPSS2
Gene Alias	ATPSK2, SK2
Gene Description	3'-phosphoadenosine 5'-phosphosulfate synthase 2
Omim ID	603005
Gene Ontology	Hyperlink
Gene Summary	Sulfation is a common modification of endogenous (lipids, proteins, and carbohydrates) and exogenous (xenobiotics and drugs) compounds. In mammals, the sulfate source is 3'-phosphoadenosine 5'-phosphosulfate (PAPS), created from ATP and inorganic sulfate. Two different tissue isoforms encoded by different genes synthesize PAPS. This gene encodes one of the two PAPS synthetases. Defects in this gene cause the Pakistani type of spondyloepimetaphyseal dysplasia. Two alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq
Other Designations	3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 2|ATP sulfurylase/APS kinase 2|ATP sulfurylase/adenosine 5'-phosphosulfate kinase|PAPS synthase 2|PAPS synthetase 2|bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthethase 2|phosphoadenosine-

Pathway

- Metabolic pathways
- Purine metabolism
- Selenoamino acid metabolism
- Sulfur metabolism

Disease

- Alzheimer Disease
- Diastrophic dysplasia
- Genetic Predisposition to Disease
- Osteoarthritis
- Tobacco Use Disorder