Recombinant Human PAPSS2, His-tagged

Cat. No. PAPSS2-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Acyl-Protein Thioesterase 1/APT-1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asp230) of Human APT-1 fused with a His tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-230 a.a.
Description	Acyl-Protein Thioesterase 1 (APT-1) is lysophospholipase that belongs to the AB hydrolase 2 family. APT-1 performs on biological membranes to regulate the multifunctional lysophospholipids. It hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS; in addition, it also has depalmitoylating activity and low lysophospholipase activity.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0
AA Sequence	MGSSHHHHHHSSGLVPRGSHMCGNNMSTPLPAIVPAARKATAAVIFLHGLGDTGH GWAEAFAGIR SSHIKYICPHAPVRPVTLNMNVAMPSWFDIIGLSPDSQEDESGIKQA AENIKALIDQEVKNGIPS NRIILGGFSQGGALSLYTALTTQQKLAGVTALSCWLPLRA SFPQGPIGGANRDISILQCHGDCDP LVPLMFGSLTVEKLKTLVNPANVTFKTYEGMM HSSCQQEMMDVKQFIDKLLPPID

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	PAPSS2 3-phosphoadenosine 5-phosphosulfate synthase 2 [Homo sapiens]
Official Symbol	PAPSS2
Synonyms	PAPSS2; 3-phosphoadenosine 5-phosphosulfate synthase 2; bifunctional 3-phosphoadenosine 5-phosphosulfate synthase 2; ATPSK2; SK 2; PAPSS 2; PAPS synthase 2; PAPS synthetase 2; ATP sulfurylase/APS kinase 2; ATP sulfurylase/adenosine 5-phosphosulfate kinase; 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 2; bifunctional 3-phosphoadenosine 5-phosphosulfate synthethase 2; SK2;
Gene ID	9060
mRNA Refseq	NM_001015880
Protein Refseq	NP_001015880
MIM	603005
UniProt ID	O95340
Chromosome Location	10q24

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Pathway	Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Formation of PAPS, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Phase II conjugation, organism-specific biosystem; Purine metabolism, organism-specific biosystem;
Function	ATP binding; adenylylsulfate kinase activity; nucleotide binding; nucleotidyltransferase activity; sulfate adenylyltransferase (ATP) activity;

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