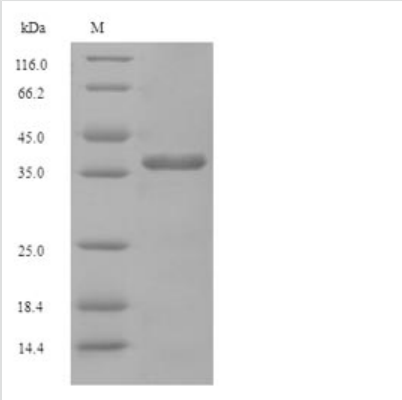
Recombinant Saccharomyces cerevisiae Diphosphoinositol polyphosphate phosphohydrolase DDP1 (DDP1)

Product Code	CSB-EP860334SVG
Relevance	May eliminate potentially toxic dinucleoside polyphosphates during sporulation. Most active against diadenosine 5',5'''-P1,P6-hexaphosphate (Ap6A). Can also hydrolyze diadenosine 5',5'''-P1,P5-pentaphosphate (Ap5A), adenosine 5'-pentaphosphate, and adenosine 5'-tetraphosphate are also substrates, but not diadenosine 5',5'''-P1,P4-tetraphosphate (Ap4A) or other dinucleotides, mononucleotides, nucleotide sugars, or nucleotide alcohols. Also cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate)
Abbreviation	Recombinant Saccharomyces cerevisiae DDP1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99321
Alias	Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase Short name: Ap6A hydrolase Diadenosine and diphosphoinositol polyphosphate phosphohydrolase 1 Diadenosine hexaphosphate hydrolase (AMP-forming)
Product Type	Recombinant Protein
Immunogen Species	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GKTADNHGPVRSETAREGRENQVYSPVTGARLVAGCICLTPDKKQVLMITSSA HKKRWIVPKGGVEKDEPNYETTAQRETWEEAGCIGKIVANLGTVEDMRPPKD WNKDIKQFENSRKDSEVAKHPPRTEFHFYELEIENLLDKFPECHKRHRKLYSY TEAKQNLIDAKRPELLEALNRSAIIKDDK
Research Area	Others
Source	E.coli
Target Names	DDP1
Expression Region	2-188aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	37.4kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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