

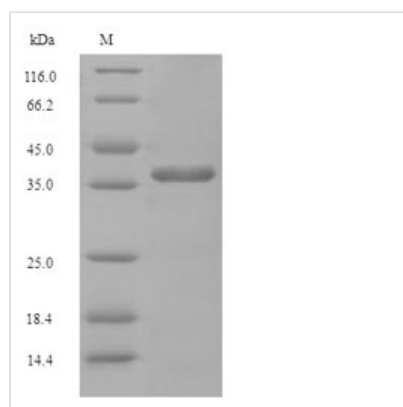


Recombinant *Saccharomyces cerevisiae* Diphosphoinositol polyphosphate phosphohydrolase DDP1(DDP1)

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)
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
Storage Buffer	Tris-based buffer,50% glycerol
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
Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GKTADNHGPVRSETAREGRENQVYSPVTGARLVAGCICLTPDKKQVLMITSSA HKKRWIVPKGGVEKDEPNYETTAQRETWEEAGCIGKIVANLGTVEDMRPPKD WNKDIKQFENSRRKDSEVAKHPPRTEFHFYELEIENLLDKFPECHKRHRKLYSY TEAKQNLIDAKRPELLEALNRSIIKDDK
Research Area	Others
Source	E.coli
Gene 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 Description	Full Length of Mature Protein



Image



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