

Recombinant *Saccharomyces Cerevisiae* DDP1 Protein (2-188 aa), His-SUMO-tagged

Cat. No. DDP1-1866S **Lot. No.** (See product label)

SPECIFICATION

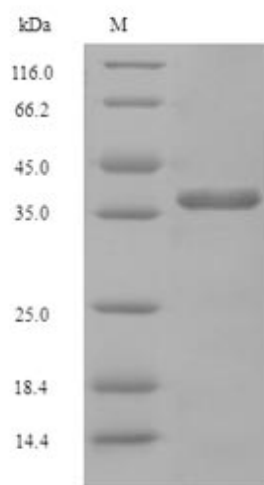
Product Overview	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) (Baker's yeast) DDP1 Protein (2-188 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	<i>S.cerevisiae</i>
Source	E.coli
ProteinLength	2-188 aa
Description	May eliminate potentially toxic dinucleoside polyphosphates during sporulation. Most active against diadenosine 5',5'''-P ₁ ,P ₆ -hexaphosphate (Ap ₆ A). Can also hydrolyze diadenosine 5',5'''-P ₁ ,P ₅ -pentaphosphate (Ap ₅ A), adenosine 5'-pentaphosphate, and adenosine 5'-tetraphosphate are also substrates, but not diadenosine 5',5'''-P ₁ ,P ₄ -tetraphosphate (Ap ₄ A) or other dinucleotides, mononucleotides, nucleotide sugars, or nucleotide alcohols. Also cleaves a beta-phosphate from the diphosphate groups in PP-InsP ₅ (diphosphoinositol pentakisphosphate) and [PP] ₂ -InsP ₄ (bisdiphosphoinositol tetrakisphosphate)
Form	Tris-based buffer, 50% glycerol
Molecular Mass	37.4 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	GKTADNHGPVRSETAREGRENQVYSPVTGARLVAGCICLTPDKKQVLMITSSAHKK RWIVPKGGVEKDEPNYETTAQRETWEEAGCIGKIVANLGTVEDMRPPKDWNKDIKQ FENSRKDSEVAKHPPRTEFHFYELEIENLLDKFPECHKRHRKLYSYTEAKQNLIDAKR PELLEALNRSAILKDDK
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Synonyms	DDP1; Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase Short name: Ap6A hydrolase Diadenosine and diphosphoinositol polyphosphate phosphohydrolase 1 Diadenosine hexaphosphate hydrolase (AMP-forming);
UniProt ID	Q99321



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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA