

Diphosphoinositol polyphosphate phosphohydrolase DDP1 Recombinant Protein | DDP1 recombinant protein

Recombinant *Saccharomyces cerevisiae* (strain 204508 / S288c) (Baker's yeast) Diphosphoinositol polyphosphate phosphohydrolase DDP1

CATALOG # AAA116513	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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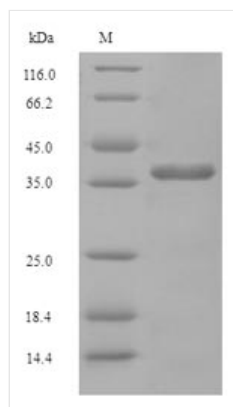
PRODUCT SYNONYMS

Diphosphoinositol polyphosphate phosphohydrolase DDP1; Recombinant *Saccharomyces cerevisiae* (strain 204508 / S288c) (Baker's yeast) Diphosphoinositol polyphosphate phosphohydrolase DDP1; Diadenosine 5'; 5'''-P1; P6-hexaphosphate hydrolase; Ap6A hydrolase; Diadenosine and diphosphoinositol polyphosphate phosphohydrolase 1; Diadenosine hexaphosphate hydrolase (AMP-forming); DDP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-188aa; Full Length
Sequence	GKTADNHGPV RSETAREGRE NQVYSPVTGA RLVAGCICLT PDKKQVLMIT SSAHKRWIV PKGGVEKDEP NYETTAQRET WEEAGCIGKI VANLGTVEDM RPPKDWNKDI KQFENS RKDS EVAKHPPRTE FHFYELEIEN LLDKFPECHK RHRKLYSYTE AKQNLIDAKR PELLEALNRS AIIKDDK
Sequence Length	188
Species	<i>Saccharomyces cerevisiae</i> (strain # 204508 / S288c) (Baker's yeast)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DDP1 recombinant protein	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)
References	"The diadenosine hexaphosphate hydrolases from Schizosaccharomyces pombe and Saccharomyces cerevisiae are homologues of the human diphosphoinositol polyphosphate phosphohydrolase. Overlapping substrate specificities in a MutT-type protein." Safrany S.T., Ingram S.W., Cartwright J.L., Falck J.R., McLennan A.G., Barnes L.D., Shears S.B. J. Biol. Chem. 274:21735-21740(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6324737
NCBI GeneID	854334
NCBI Accession #	NP_014806.1
NCBI GenBank Nucleotide #	NM_001183582.1
UniProt Accession #	Q99321; D6W2M1
Molecular Weight	37.4 kDa
NCBI Official Full Name	polyphosphatase DDP1
NCBI Official Symbol	DDP1
NCBI Protein Information	polyphosphatase DDP1
UniProt Protein Name	Diphosphoinositol polyphosphate phosphohydrolase DDP1
UniProt Gene Name	DDP1
UniProt Synonym Gene Names	Ap6A hydrolase
UniProt Entry Name	DDP1_YEAST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.