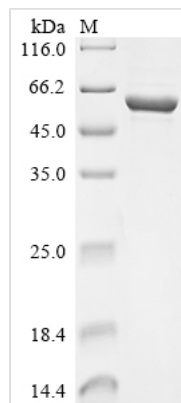




Recombinant Musa acuminata UTP--glucose-1-phosphate uridylyltransferase (UGPA)

Product Code	CSB-EP874393MVBc7
Abbreviation	Recombinant Musa acuminata UGPA 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.	Q9SDX3
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Musa acuminata UTP--glucose-1-phosphate uridylyltransferase(UGPA)
Immunogen Species	Musa acuminata (Banana) (Musa cavendishii)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MADAKIAKLQSAVAELNQISENEKSGFISLVSRYLSGEAEQIEWSKIQTPTDEVV VPYDTLSPPPEDLEATKKLLDKLAVLKLNGGLGTTMGCTGPKSVIEVRNGFTFL DLIVIQIESLNKKYGCVPLLLMNSFNTHDDTQKIVEKYANSNIEHTFNQSQYP RLVMEDFQPLPSKGHAGKDGWYPPGHGDVFPSLMNSGKLDALLSQGKEYVFI ANSNLDGAIVDIKILNHLINNQNEYCMEVTPKTLADVKGGLTISYEGRVQLLEIA QVPDAHVNEFKSIEKFKIFNTNNLWVNLKAIKRLVEADALKMEIIPNPKEVDGVK VLQLETAAGAAIRFFDHAIGINVPRSRFLPVKATSDLLLVQSDLYMLVDGFGVIRN KARTNPSNPSIELGPEFKKVANFLSRFKSIPSIVELDSLKVSGDVWFGEGVVLK GNVSIAAKSGVKLEISDGAVLENKVINGPEDI
Research Area	Others
Source	E.coli
Target Names	UGPA
Expression Region	1-467aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	58.3 kDa
Protein Length	Full Length
Image	



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

Description

The recombinant *Musa acuminata* UTP--glucose-1-phosphate uridylyltransferase(UGPA) expression in *E.coli* requires the insertion of the gene of interest (GOI) into a plasmid vector and the transferral of this vector into *E.coli*. The gene of interest is formed by fusion the 6xHis-tag gene to the C-terminus of the DNA fragment that codes for the full-length *Musa acuminata* UGPA protein (1-467aa). The transfected *E.coli* cells are then cultured and induced to express the desired recombinant UGPA protein. The cells are harvested by centrifugation and lysed to release the cellular content, including the recombinant UGPA protein. The recombinant UGPA protein is purified from the cell lysate, with up to 90% purity as measured by SDS-PAGE.

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

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.