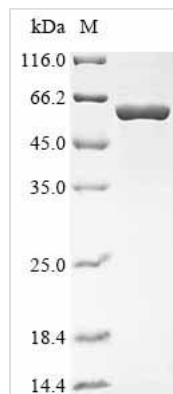




Recombinant Musa acuminata UTP--glucose-1-phosphate uridylyltransferase (UGPA)

Product Code	CSB-EP874393MVB
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 DLIVIQIESLNKKYGCNVPLLLMNSFNTHDDTQKIVEKYANSNIEHTFNQSQYP RLVMEDFQPLPSKGHAGKDGWYPPGHGDVFPSLMNSGKLDALLSQGKEYVFI ANSNGLGAIVDIKILNHLINNQNEYCMEVTPKTLADVKGGLTISYEGRVQLLEIA QVPDAHVNEFKSIEKFKIFNTNNLWVNLAIKRLVEADALKMEIIPNPKEVDGVK VLQLETAAGAAIRFFDHAIGINVPRSRFLPVKATSDLLLQSDLYMLVDGFGVIRN 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	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	58.8 kDa
Protein Length	Full Length
Image	



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

Description

The full-length *musa acuminata* UGPA gene fragment, encompassing amino acids 1-467 and containing an N-terminal 10xHis-tag and C-terminal Myc-tag, is successfully inserted into a suitable expression vector. Subsequently, the recombinant expression vector carrying the UGPA gene fragment is introduced into competent *E. coli* cells. Following a careful selection process, the transformed cells are cultured to facilitate the expression of the desired recombinant protein. After an appropriate induction period, the *E. coli* cells are harvested and lysed, allowing the release of cellular contents, including the expressed recombinant UGPA protein. The purity of the resulting *musa acuminata* UGPA protein, as determined by SDS-PAGE analysis, exceeds 90%. The migration pattern of this recombinant UGPA protein on the gel reveals a distinct band with a molecular weight of 60 kDa.

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.