

Recombinant *Saccharomyces cerevisiae* Translation initiation factor IF-2, mitochondrial(IFM1)

Catalog No: #AP71062

Package Size: #AP71062-1 20ug #AP71062-2 100ug #AP71062-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> Translation initiation factor IF-2, mitochondrial(IFM1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:43-676aaSequence Info:Full Length
Accession No.	P25038
Calculated MW	97.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	KGKRRNQISKELKPLNFSIPNYISVNKLANLLNCRVERLIKDLTALGFENITTTIYLSKEYVELILQEYNFALPNLS TSTNLDNVYDELKSPVNPKLLTKRAPVVTIMGHVDHGKTTIIDYLRKSSVVAQEHEGGITQHIGAFQITAPKSGKKI TFLDTPGHA AFLKMRERGANITDIIVLVSVEDSLMPQTLEAIKHAKNSGNEMIIAITKIDRIPQPKEREKKIEKVIN DLIVQGIPVEKIGGDVQVIPISAKTGENMDLLEESIVLLSEVMDIRAENSPKTIAEGWIIESQVKKQVGNVATVLVK KGTLQKGKILICGNTFCIKNLIDDKGIPILKATPSYATEVLGWKDVPHVGDEVIQVKSEAIKKFISKRQDLIEVQ KNSSIVEKLNEERALAKEQHLNKELEHENTVQEHEQNTGPKLINYIIKCDVSGSAEAVSESISLGNDEVRCNVI SSSVGIPTESDLKMAQITESTILCFNLGNLPSEVINNRAGIKIKQYNVIYKLIEDVTETLTENLKPIFEKKIVSTVDV RETDFRLKKKIIRIAGCKVNNNGVIKNSLVQVVRGPNEDVIFDGKISTLKHKNDDVAEVS KGHECGITFESGFE GFKPGDKILVYENVRVPRYL
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

One of the essential components for the initiation of protein synthesis. Protects formylmethionyl-tRNA from spontaneous hydrolysis and promotes its binding to the 30S ribosomal subunits. Also involved in the hydrolysis of GTP during the formation of the 70S ribosomal complex.

References

Global analysis of protein expression in yeast.Ghaemmaghani S., Huh W.-K., Bower K., Howson R.W., Belle A., Dephoure N., O'Shea E.K., Weissman J.S.Nature 425:737-741(2003)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.