



Recombinant *Saccharomyces cerevisiae*

Translation initiation factor IF-2, mitochondrial (IFM1)

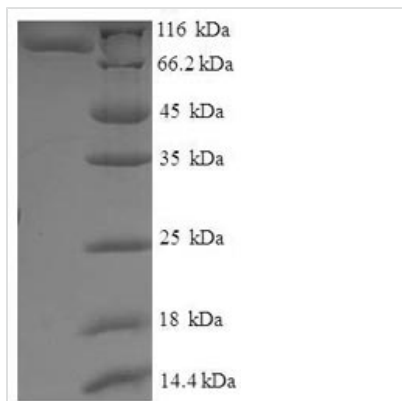
Product Code	CSB-EP335087SVG
Relevance	One of the essential components for the initiation of protein synthesis. Protects formylmethionyl-tRNA from spontaneous hydrolysis and promotes its binding to the 30S ribosomal subunits. Also involved in the hydrolysis of GTP during the formation of the 70S ribosomal complex.
Abbreviation	Recombinant <i>Saccharomyces cerevisiae</i> IFM1 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.	P25038
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	KGKRRNQISKKELKPLNFSIPNYISVNKLANLLNCRVERLIKDLTALGFENITTTYI LSKEYVELILQEYNFALPNLSTSTNLNDVYDELKSPVNPKLLTKRAPVVTIMGHV DHGKTTIIDYLRKSSVVAQEHGGITQHIGAFQITAPKSGKKITFLDTPGHAAFLK MRERGANITDIIVLVSVEDSLMPQTLAIAKHAKNSGNEMIIAITKIDRIPQPKERE KKIEKVINDLIVQGIPVEKIGGDVQVIPISAKTGENMDLLEESIVLLSEVMDIRAEN SPKTIAEGWIIESQVKKQVGNVATVLVKKGTLQKGKILICGNTFCKIKNLIDDKGI PILKATPSYATEVLGWKDVPHVGDEVIQVKSEAIKKFISKRQDLIEVQKNSSIV EKLNEERALAKEQHNLKELEHENTVQEHEQNTGPKLINYIIKCDVSGSAEAVSE SISSLGNDEVRCNVISSSVGIPTESDLKMAQITESTILCFNLGNLPSEVINNRAGI KIKQYNVIYKLIEDVTETLTENLKPIFEKKIVSTVDVRETDFRLKKKIIRIAGCKVN NGVIKKNSLVQVVRGPNEDVIFDGKISTLKHNDKDDVAEVSKEGHECGITFESGFE GFKPGDKILVYENVRVPRYL
Research Area	Others
Source	E.coli
Target Names	IFM1
Expression Region	43-676aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	97.5kDa



Protein Length

Full Length of Mature Protein

Image



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

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

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