

Recombinant *Saccharomyces Cerevisiae* IFM1 Protein (43-676 aa), GST-tagged

Cat. No. IFM1-913S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) IFM1 Protein (43-676 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	<i>S.cerevisiae</i>
Source	E.coli
ProteinLength	43-676 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	97.5 kDa
AA Sequence	KGKRRNQISKKELKPLNFSIPNYISVNKLANLLNCRVERLIKDLTALGFENITTTYILSK EYVELILQEYNFALPNLSTSTNLDNVYDELKSPVNPKLLTKRAPVVTIMGHVDHGKTTI IDYLRKSSVVAQEHGGITQHIGAFQITAPKSGKKITFLDTPGHAAFLKMRERGANITDII VLVVSVEDSLMPQTLLEAIKHAKNSGNEMIIATKIDRIPQPKEREKKIEKVINDLIVQGIP VEKIGGDVQVIPISAKTGENMDLLEESIVLLSEVMDIRAENSPKTIAEGWIIESQVKKQ

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VGNVATVLVKKGTLQKGKILICGNTFCKIKNLIDDKGIPILKATPSYATEVLGWKDVP
 VGDEVIQVKSEAIKKFISKRQDLIEVQKNSSIVEKLNEERALAKEQHLNKELEHENTV
 QEHEQNTGPKLINYIIKCDVSGSAEAVSESISSLGNDVRCNVISSSVGIPTESDLKMA
 QITESTILCFNLGNLPSEVINNRAGIKIKQYNVIYKLIEDVTETLTENLKPIFEKKIVSTVD
 VRETDFRLKKKIIRIAGCKVNNGVIKKNSLVQVVRGPNEDVIFDGKISTLKHNDKDDVA
 EVSKGHECGITFESGFEGFKPGDKILVYENVVRVPRYL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

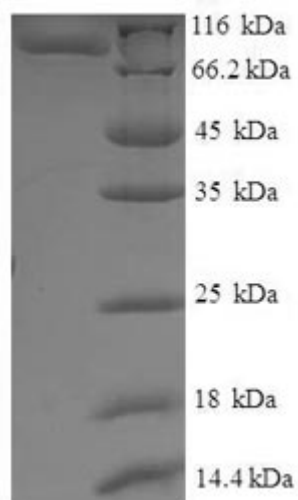
GENE INFORMATION

UniProt ID [P25038](#)

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

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