Putative Translation Initiation Factor Eif-2b Subunit 2 (aIF-2BII) Pyrococcus Abyssi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative translation initiation factor eIF-2B subunit 2 (aIF-2BII), Recombinant Protein
Full Product Name	Recombinant Pyrococcus abyssi Putative translation initiation factor eIF-2B subunit 2 (aIF-2BII)
Product Gene Name	aIF-2BII recombinant protein
Product Synonym Gene Name	aIF-2BII
Sequence	MGAMIVREVY EIAEKIKSME IRGAGKIARS VAQALMIQAE KSTAKSPEEL WTELKEAAKI LYKTRPTAVS LPNALRYVMH RAKIAYSSGA DLETLRFTVI NSAKEFIHNS EKAIERIGEI GAKRIEDGDV IMTHCHSKAA ISVMKTAFDQ GKDIKVIVTE TRPRWQGKIT AKELASYGIP VIYVVDSAAR HYMKMTDKVV MGADSITANG AVINKIGTSL IALTAKEHRV WVMIAAETYK FHPETMLGQL VEIEMRDPTE VIPEEELKTW PKNIEVWNPA FDVTPPEYID VIITEKGIIP PYAAIDILKE EFGWALKYRE PWED
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	36,418 Da
Sequence Positions	1-324, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9V281
Species	Pyrococcus abyssi (strain GE5 / Orsay)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aIF-2BII recombinant protein	MBS1304281 is a recombinant protein targeting aIF-2BII. Also known as Recombinant Pyrococcus abyssi Putative translation initiation factor eIF-2B subunit 2 (aIF-2BII). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aIF-2BII recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for aIF-2BII. It may not necessarily be applicable to this product.

NCBI GI #	11132507
NCBI Accession #	Q9V281.1
UniProt Primary Accession #	Q9V281
UniProt Secondary Accession #	G8ZG28

NCBI Official Full Name	Ribose 1,5-bisphosphate isomerase
UniProt Protein Name	Ribose 1,5-bisphosphate isomerase
UniProt Synonym Protein Names	Ribulose 1,5-bisphosphate synthase; RuBP synthase
UniProt Gene Name	PYRAB01930
UniProt Synonym Gene Names	R15P isomerase; R15Pi; RuBP synthase
UniProt Comments for aIF-2BII	Catalyzes the isomerization of ribose 1,5-bisphosphate (R15P) to ribulose 1,5-bisphosphate (RuBP), the CO2 acceptor and substrate for RubisCO. Functions in an archaeal AMP degradation pathway, together with AMP phosphorylase and RubisCO ().
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