# Probable Hydrogenase Nickel Incorporation Protein Hypa (hypA) Pyrococcus Furiosus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Probable hydrogenase nickel incorporation protein HypA (hypA), Recombinant Protein |
| **Full Product Name** | Recombinant Pyrococcus furiosus Probable hydrogenase nickel incorporation protein HypA (hypA) |
| **Product Gene Name** | hypA recombinant protein |
| **Product Synonym Gene Name** | hypA |
| **Sequence** | MHEWALADAI VRTVLDYAQK EGASRVKAVK VVLGELQDVG EDIVKFAMEE LFRGTIAEGA EIIFEEEEAV FKCRNCGHVW KLKEVKDKLD ERIREDIHFI PEVVHAFLSC PKCGSHDFEV VKGRGVYISG IMIEKEGEE |
| **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** | 15,763 Da |
| **Sequence Positions** | 1-139, 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 Q8U357 |
| **Species** | Pyrococcus furiosus (strain 43587 / DSM 3638 / JCM 8422 / Vc1) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hypA recombinant protein** | MBS1340869 is a recombinant protein targeting hypA. Also known as Recombinant Pyrococcus furiosus Probable hydrogenase nickel incorporation protein HypA (hypA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of hypA 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 hypA. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499321243 |
| **NCBI Accession #** | WP_011011735.1 |
| **UniProt Primary Accession #** | Q8U357 |
| **GenBank Nucleotide #** | WP_011011735.1 |
| **NCBI Official Full Name** | hydrogenase expression protein HupG |
| **UniProt Protein Name** | Hydrogenase maturation factor HypA |

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|---|---|
| **Protein Family** | Hydrogenase nickel incorporation protein |
| **UniProt Gene Name** | hypA |
| **UniProt Comments for hypA** | Involved in the maturation of [NiFe] hydrogenases. Required for nickel insertion into the metal center of the hydrogenase. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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