# ATP Phosphoribosyltransferase (HIS1) Candida Glabrata Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ATP phosphoribosyltransferase (HIS1), Recombinant Protein |
| **Full Product Name** | Recombinant Candida glabrata ATP phosphoribosyltransferase (HIS1) |
| **Product Gene Name** | HIS1 recombinant protein |
| **Product Synonym Gene Name** | HIS1; CAGL0L00759g |
| **Product Synonym Names** | ATP phosphoribosyltransferase; ATP-PRT; ATP-PRTase; EC=2.4.2.17 |
| **Sequence** | MDFVNHLNDR LLFAVPKKGR LYEKTKQLLN GSDIKFNRSN RLDIALCTTL PIALIFLPAA DIPTFVGEGK CDLGITGLDQ VKESGIEEID LLMDLGFGGC KLQVQVPEKD RKYTDPKQLV GKTIVSSFVK LSRDYFQQLE EEVLGKPVDK LSTKIKYVGG SVEASCALGV GDAIVDLVES GETMRAAGLI DIATVLETSA YLIQARRPQQ DKSREELIEV IKSRIQGVLT AQRYVCCSYN TPEGNLKELL KVTPGRRAPT ISKLDDDGWV AVNSMIERKR KADIMDELKR KGASDIMVFE ISNCRV |
| **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** | 33,943 Da |
| **Sequence Positions** | 1-306aa; 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 Q6FLT7 |
| **Species** | Candida glabrata (strain 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for HIS1 recombinant protein** | MBS1347561 is a recombinant protein targeting HIS1. Also known as Recombinant Candida glabrata ATP phosphoribosyltransferase (HIS1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of HIS1 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 HIS1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 50292749 |
| **NCBI GeneID** | 2890929 |
| **NCBI Accession #** | XP_448807.1 |
| **UniProt Primary Accession #** | Q6FLT7 |

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| **UniProt Related Accession #** | Q6FLT7 |
| **GenBank Nucleotide #** | XM_448807.1 |
| **NCBI Official Full Name** | hypothetical protein |
| **NCBI Official Symbol** | CAGL0L00759g |
| **UniProt Protein Name** | ATP phosphoribosyltransferase |
| **UniProt Gene Name** | HIS1 |
| **UniProt Synonym Gene Names** | ATP-PRT; ATP-PRTase |
| **UniProt Entry Name** | HIS1_CANGA |
| **NCBI Protein Information** | hypothetical protein |
| **UniProt Comments for HIS1** | Catalyzes the condensation of ATP and 5-phosphoribose 1-diphosphate to form N'-(5'-phosphoribosyl)-ATP (PR-ATP). Has a crucial role in the pathway because the rate of histidine biosynthesis seems to be controlled primarily by regulation of the enzymatic activity (). |
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