# Heme-Responsive Zinc Finger Transcription Factor HAP1 (HAP1) Saccharomyces Cerevisiae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Heme-responsive zinc finger transcription factor HAP1 (HAP1), Recombinant Protein |
| **Full Product Name** | Recombinant Saccharomyces cerevisiae Heme-responsive zinc finger transcription factor HAP1 (HAP1), partial |
| **Product Gene Name** | HAP1 recombinant protein |
| **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** | 164,298 Da |
| **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 C7GQY3 |
| **Species** | Saccharomyces cerevisiae (strain JAY291) (Baker's yeast) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for HAP1 recombinant protein** | MBS1221269 is a recombinant protein targeting HAP1. Also known as Recombinant Saccharomyces cerevisiae Heme-responsive zinc finger transcription factor HAP1 (HAP1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of HAP1 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 HAP1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 290463255 |
| **NCBI Accession #** | C7GQY3.1 |
| **UniProt Primary Accession #** | C7GQY3 |
| **NCBI Official Full Name** | Heme-responsive zinc finger transcription factor HAP1 |
| **UniProt Protein Name** | Heme-responsive zinc finger transcription factor HAP1 |
| **UniProt Synonym Protein Names** | CYP1 activatory protein; Heme activator protein 1 |
| **Protein Family** | Heme-responsive zinc finger transcription factor |
| **UniProt Gene Name** | HAP1 |
| **UniProt Synonym Gene Names** | CYP1 |

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| **UniProt Comments for HAP1** | Regulation of oxygen dependent gene expression. It modulates the expression of Iso-1 (CYP1) and Iso-2 (CYP3) cytochrome c. In response to heme, promotes transcription of genes encoding functions required for respiration, controlling oxidative damage and repression of anaerobic genes. Binds to the sequence 5'-CGGNNNTNNCGG-3' (). |
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