# Histidinol-Phosphate Aminotransferase (hisC) Bacillus Halodurans Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Histidinol-phosphate aminotransferase (hisC), Recombinant Protein |
| **Full Product Name** | Recombinant Bacillus halodurans Histidinol-phosphate aminotransferase (hisC) |
| **Product Gene Name** | hisC recombinant protein |
| **Product Synonym Gene Name** | hisC |
| **Sequence** | MKIKPQIIGL PPYKPGKPME DVKRELGLET VVKLASNENP FGASPKVAEA IQEALHHTAI YPDGYARTLR DKVAHYVGVA PEELIFGNGS DEVIQILCRA FLNEQTNTVM AEPTFSQYKL NAVIEGAELR EVPLKDGVHD LDGMLEVIDE NTRIVWVCNP NNPTGTYVSA EAFQSFLAKV PEDVLVVSDE AYVEYVTADD YPDTVPMIRT YKNLVVLRTF SKVFGLAALR IGYGVANQAL IEKIEPVRPP FNNSTFSQVA AVAALEDEAF VQSSVEKNNE GMEQLTEWCS RMGLDYFPSQ TNFLLIHVNR SSDDVFNAML KKGYIIRSGR ALGYPAWIRI TIGSKEQNDG CLAALADVLA EELTTQHLS |
| **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** | 40,861 Da |
| **Sequence Positions** | 1-369, Full length |
| **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 Q9KCA8 |
| **Species** | Bacillus halodurans (strain BAA-125 / DSM 18197 / FERM 7344 / JCM 9153 / C-125) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hisC recombinant protein** | MBS1480319 is a recombinant protein targeting hisC. Also known as Recombinant Bacillus halodurans Histidinol-phosphate aminotransferase (hisC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of hisC 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 hisC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499200287 |
| **NCBI Accession #** | WP_010897827.1 |
| **UniProt Primary Accession #** | Q9KCA8 |
| **GenBank Nucleotide #** | WP_010897827.1 |

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| **NCBI Official Full Name** | histidinol-phosphate aminotransferase |
| **UniProt Protein Name** | Histidinol-phosphate aminotransferase |
| **UniProt Synonym Protein Names** | Imidazole acetol-phosphate transaminase |
| **Protein Family** | Histidinol-phosphate aminotransferase |
| **UniProt Gene Name** | hisC |
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