# HTH-Type Transcriptional Activator Ilvy (ilvY) Haemophilus Influenzae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | HTH-type transcriptional activator ilvY (ilvY), Recombinant Protein |
| **Full Product Name** | Recombinant Haemophilus influenzae HTH-type transcriptional activator ilvY (ilvY) |
| **Product Gene Name** | ilvY recombinant protein |
| **Sequence** | MEFTDLQIFI HLSDTKNFTK TATQNHMSPS TLSRQIQRLE DELGKTLFIR DNRQVKLTEY GEKFLQFAKT EWQNWQQFKQ QLKDESDELC GEIKLFCSVT ASYSHLPHVL KEFRQRYPKV EIQLTTGDPA LALELIQAQQ VDLALAGKPN NLPSSVVFHK IDDISLSLIA PRVACLATQL LQEKPIDWQQ MPFIFPVEGH ARQRIEQWLR EKQIKHPKIY ATVAGHEGIV PMVGLGFGLA MLPDAVIDSS PMNNQISRLN LDKPIEPFEL GICTQKRNLE QPLVRAFWAM LE |
| **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** | 33,548 Da |
| **Sequence Positions** | 1-292, 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 P44821 |
| **Species** | Haemophilus influenzae (strain 51907 / DSM 11121 / KW20 / Rd) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for ilvY recombinant protein** | MBS1250692 is a recombinant protein targeting ilvY. Also known as Recombinant Haemophilus influenzae HTH-type transcriptional activator ilvY (ilvY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of ilvY 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 ilvY. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 16272623 |
| **NCBI GeneID** | 949718 |
| **NCBI Accession #** | NP_438841.1 |
| **UniProt Primary Accession #** | P44821 |
| **UniProt Related Accession #** | P44821 |

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| **GenBank Nucleotide #** | NC_000907.1 |
| **NCBI Official Full Name** | DNA-binding transcriptional regulator IlvY |
| **NCBI Official Symbol** | ilvY |
| **UniProt Protein Name** | HTH-type transcriptional activator IlvY |
| **Protein Family** | HTH-type transcriptional activator |
| **UniProt Gene Name** | ilvY |
| **NCBI Protein Information** | DNA-binding transcriptional regulator IlvY |
| **UniProt Comments for ilvY** | This protein activates the transcription of the ilvC gene in the presence of acetolactate or acetohydroxybutyrate. IlvY is also a negative regulator of its own expression (). |
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