# Heme Response Regulator Hssr (hssR) Staphylococcus Epidermidis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Heme response regulator hssR (hssR), Recombinant Protein |
| **Full Product Name** | Recombinant Staphylococcus epidermidis Heme response regulator hssR (hssR) |
| **Product Gene Name** | hssR recombinant protein |
| **Product Synonym Gene Name** | hssR |
| **Sequence** | MINCLIVDDD KKLLQYVSSH LERESIQTHT FTSGEASLDF LENKNVDIAI VDIMMSGMDG FELCQTLKDD YHIPVIMLTA RDALSDKERA FLSGTDDYVT KPFEVKELLF RIKAVLRRYQ INADNELQLG NLILNQSYME ITVGSKTMNL PNKEFQLLFL LASNPKHIFT RDDIIGKIWG FDYEGDDRTV DVHIKRLRQR LSKLKSSVSI QTVRGQGYRV DQNV |
| **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** | 25,783 Da |
| **Sequence Positions** | 1-224, 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 Q8CN92 |
| **Species** | Staphylococcus epidermidis (strain 12228) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hssR recombinant protein** | MBS1380376 is a recombinant protein targeting hssR. Also known as Recombinant Staphylococcus epidermidis Heme response regulator hssR (hssR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of hssR 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 hssR. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 27468859 |
| **NCBI GeneID** | 1055835 |
| **NCBI Accession #** | NP_765496.1 |
| **UniProt Primary Accession #** | Q8CN92 |
| **UniProt Related Accession #** | Q8CN92 |

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| **GenBank Nucleotide #** | NC_004461.1 |
| **NCBI Official Full Name** | two component response regulator |
| **NCBI Official Symbol** | SE1941 |
| **UniProt Protein Name** | Heme response regulator HssR |
| **Protein Family** | Heme response regulator |
| **UniProt Gene Name** | hssR |
| **NCBI Protein Information** | two component response regulator |
| **UniProt Comments for hssR** | Member of the two-component regulatory system HssS/HssR involved in intracellular heme homeostasis and tempering of staphylococcal virulence. Phosphorylated HssR binds to a direct repeat sequence within hrtAB promoter and activates the expression of hrtAB, an efflux pump, in response to extracellular heme, hemin, hemoglobin or blood (). |
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