# Hydroxyacylglutathione Hydrolase (gloB) Polaromonas Sp. Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Hydroxyacylglutathione hydrolase (gloB), Recombinant Protein |
| **Full Product Name** | Recombinant Polaromonas sp. Hydroxyacylglutathione hydrolase (gloB) |
| **Product Gene Name** | gloB recombinant protein |
| **Product Synonym Gene Name** | gloB |
| **Sequence** | MIVERIWTGN AYRNFNYLIA CPETGEALAI DPLDHEKTLA TARVKGWQIT QVLNTHEHHD HTGGNAAVIA ATGAKLIAHH KAGGRIAGVD RGVKAGDVIK VGKTVELECL DTPGHTMCHI CLRSHTEQPA LFSGDTLFNA GAGNVHNGGD VNALYATFAE QLARLPDDTL VYPGHDYIEN NLRFTLAREP DNAAAKALLP SVTDHDPAKS AVTTLKDEKE FNTFLRLSSP SVIARLRESF PDLPDEPDAR TVFAKLRELR NQW |
| **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** | 28,758 Da |
| **Sequence Positions** | 1-263, 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 Q12BV7 |
| **Species** | Polaromonas sp. (strain JS666 / BAA-500) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for gloB recombinant protein** | MBS1334850 is a recombinant protein targeting gloB. Also known as Recombinant Polaromonas sp. Hydroxyacylglutathione hydrolase (gloB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of gloB 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 gloB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 499802250 |
| **NCBI Accession #** | WP_011482984.1 |
| **UniProt Primary Accession #** | Q12BV7 |
| **GenBank Nucleotide #** | WP_011482984.1 |
| **NCBI Official Full Name** | hydroxyacylglutathione hydrolase |

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| **UniProt Protein Name** | Hydroxyacylglutathione hydrolase |
| **UniProt Synonym Protein Names** | Glyoxalase II |
| **Protein Family** | Hydroxyacylglutathione hydrolase |
| **UniProt Gene Name** | gloB |
| **UniProt Synonym Gene Names** | Glx II |
| **UniProt Comments for gloB** | Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid. |
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